

APPENDICES

ENERGY ENGINEERING ANALYSIS PROGRAM

LIMITED ENERGY STUDY

FORT HUNTER-LIGGETT, CALIFORNIA 1993

VOLUME III

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DEPARTMENT OF THE ARMY SACRAMENTO DISTRICT, CORPS OF ENGINEERS SACRAMENTO, CALIFORNIA

PREPARED BY

KELLER & GANNON ENGINEERS • ARCHITECTS 1453 MISSION STREET, SAN FRANCISCO, CA 94013

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CONSTRUCTION ENGINEERING RESEARCH LABORATORIES, CORPS OF ENGINEERS P.O. BOX 9005 CHAMPAIGN, ILLINOIS 61826-9005

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EEAP, Limited Energy Study Fort Hunter Liggett, California	Revised July 1993
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APPENDIX F	
Building Data Bases and Survey Forms	

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EEAP, Limited Energy Study Fort Hunter Liggett, California

APPENDIX F

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^{*(235, 236, 237, 243, 244, 286, 288, 246} and 247 are identical.)

TABLE F-1 EEAP BUILDINGS (REAL PROPERTY LIST RECORDS)

	Field	Area	Useable	Category		
Name	Work	(SF)	(SF)	Code	Other Measure	Remarks
	Scope					
CO & Eni	Bldg	1,090	885	71115	1 Family	Evap Cing &
ICO & Eni	•	1,397	•	71115	1 Family	Ac Cing & Ht
CO & Eni	•	1,937	•	71115	1 Family	Ac Clng & Ht
Family Housing NCO & Enl	1	1,937		71115	1 Family	Ac Cing & Ht
ICO & Enl	•	1,937	•	71115	1 Family	Ac Clng & Ht
ICO & Enl	•	1,937	•	71115	1 Family	Ac Cing & Ht
ICO & Enl	1	1,937	٠	71115	1 Family	Ac Clng & Ht
ICO & Eni	•	1,937	•	71115	1 Family	Ac Cing & Ht
ICO & Ent	•	1,937	•	71115	1 Family	Ac Cing & Ht
ICO & Eni	•	1,937	•	71115	1 Family	Ac Cing & Ht
Family Housing NCO & Enl	•	1,937	•	71115	1 Family	Ac Cing & Ht
	6plg	2,089	-	71114	1 Family	Ac Cing & Ht
	-	2,089	•	71114	1 Family	Ac Clng & Ht
Family Housing NCO & Enl	Bldg	1,937	•	71115	1 Family	Ac Cing & Ht
ICO & Enl	•	1,937	•	71115	1 Family	Ac Cing & Ht
CO & Enl	ŀ	1,937	•	71115	1 Family	Ac Cing & Ht
CO & Enl	•	1,937	•	71115	1 Family	Ac Cing & Ht
	1	2,089	•	71114	1 Family	Ac Cing & Ht
	Bldg	2,089	1	7111	41 Family	Ac Clng & Ht
	1	2,089	•	71114	1 Family	Ac Cing & Ht
Family Housing CG & WO	-	2,089	•	71114	1 Family	Ac Cing & Ht
Family Housing CG & WO	•	2,089	•	71114	1 Family	Ac Cing & Ht
Family Housing CG & WO	٠	2,089	•	71114	1 Family	Ac Clng & Ht
G & WO	•	2,089	•	71114	1 Family	Ac Cing & Ht
	-	2,089	•	71114	1 Family	Ac Cing & Ht
	Bldg	1,000	950	73073	•	Elec space H
	Bldg & Clng	9,093	8,200	74053	•	Ac Cing & Ht
Theater with Dressing Rm's	Bldg	6,719	5,913	74076	350 seats	Ac Clng & Ht
Open Din Cons (Hacienda)	Bldg	6,171	19,546	74046		Ac Clng & Ht
	22,211	3,046)
	Total SF	4,721				
smoo		8,273				
	Bldg	1,126	1,573	74052	*	Ac Cing & Ht
_	lotal=1,/88	26 26	_			

TABLE F-1 EEAP BUILDINGS (REAL PROPERTY LIST RECORDS)

Fac		Field	Area	Useable	Category		
Š	Installation Name	Work	(SF)	(SF)	Code	Other Measure	Remarks
		Scope					
T 120	Fire Station - Office	Bldg	3,636	9,120	74034	285 Seats	Elec Heat
	Fire Station - Dorm	Total SF	2,653	Outdated			
	Fire Station - Garage	11,238	4,949				
T 121	Bowling Center	Bldg & Clng	4	4,910	74011	•	AC Cing & Ht
		Total 5,580 S	ı				
124	Family Housing LC & MJ	Bldg	2,001	2,033	71113	1 Family	Evap Cing &
127	Officers Quarters Military	Bldg	2,250	1,420	72410	10 PN	Evap Cing &
P 128	Officers Quarters Military	Bidg & Cing	20,196	16,900	72410	50 PN	Ac Cing & Ht
T 131	Family Housing CG & WO	Bidg	866	028	71114	1 Family	Ac & Evap CI
S 144	Gymnasium	Bldg	7,172	6,201	74034	•	HP
S 146	FE Facility	Bldg	4,042	3,840	21920	•	Evap Cing &
149	Family Housing NCO & Enl	Bidg	1,196	258	71115	1 Family	Ac Cing & Sp
T 156	FE Facility - Shop	Bldg	1,753	2,025	21920	•	Wood Stove
	FE Facility - Office	Total 2,250	497				
T 158	Vehicle Storage	Bldg	1,859	1,179	44262		•
T 161	Admin General Purpose	6plB	2,250	1,556	61050	17 PN	Evap Cing &
162	Elec Maint. Shop	Bldg	2,250	1,429	21710		Evap Cing &
T 163	Officers Quarters Military	•	2,250	1,517	72410	10 PN	Evap Cing &
T 164	Admin General Purpose	•	2,250	2,205	61050	17 PN	AC Cing & Ht
T 165	Admin General Purpose	-	2,250	1,676	61050	017 PN	HFPI
r 166	Officers Quarters Military	-	2,250	1,426	72410	10 PN	Evap Cing &
Г 167	Officers Quarters Military	•	2,250	1,284	10 PN	10 PN	Evap Clng &
S 168	General Purp Warehouse	Bldg	6,560	5,597	44220		•
172	Cold Storage Warehouse	Bldg	800	720	43210	3,264 CF	Cold Stg for
P 177	Technical Library	Bldg & Clng	3,599	2,930	61065	•	Ac Cing & Ht
P 178	Child Development Cntr	Bldg	3,599	2,422	74047	•	Ac Cing & Ht
S 182	Commissary	Bldg	3,000	•	74021	•	1
S 186	Sup Svc Admin Bldg	БрIВ	1,920	1,350	61023	16 PN	Ac Cing & El
P 190	Post Chapel	Bldg	2,720	2,394	73017	70 Seats	Ac Cing & Ht
S 197	Admin Bldg R&D - Office	Bldg	2,100	5,070	61060	57 PN	Ac Clng & Ht
	Admin Bldg R&D - Electronics	Total 7,728	6,062	Outdated			
S 198	General Inst Bidg	Clng Only	1,090	836	171120		Evap Cing &
P 205	Admin General Purpose	•	35,820	29,693	61050	231 PN & CCN 74023	AC Cing & S
Ϋ́	P 205A Company HG Bullaing	_	က် [၀	_			_

TABLE F-1 EEAP BUILDINGS (REAL PROPERTY LIST RECORDS)

Remarks	Ac Cing & Ht	Ac Clng & Ht	- 25	Ac Cing & Ht	Ac Clng & Ht	Ac Cing & Ht	Ht PI 0.75-3.5	Evap Clng &	Evap Cing &	Ac Cing & Ht	•	Ac Cing & Ht	•	Ac Cing & Ht	Ac Cing & Ht		Ac Cing & Ht		Ac Clng & Ht	AC & Evap C	Ac Cing & Ht	Ac Clng & Ht	Ac Cing & Ht	Ac Clng & Ht	Į.	Η'n	HН		Ac Clng & Ht
Other Measure	1,5 PN	245 PN	44 PN	245 FN 44 PN	•		1 EA	1547 CM Evap Clr	•	245 PN	44 PN	245 PN	44 PN	27 PN	27 PN	27 PN	•		27 PN		27 PN				12 Vehicles	2 Vehicles	12 Vehicles	•	27 PN
Category Code	72210			14185	74062	5540	75030	74034	74028		72111					61050	14130		61050	31220	61050	61050	61050	61050	21420	221410	21410	44220	61050
Useable (SF)	14,756	27,238	. 60	- 666'97	2,922	5,877	•		2,826	26'695	•	36,063	•	2,139	2,158	2,158	10,477	100	2,095	7,953	2,099	2,099	2,099	2,099	11,308	4,722	11,329	3,861	2,080
Area (SF)	16,768	35,820	5,161	35,820 5,161	3,320	10,973	•	8,907	3,212	40,915	5,161	35,820	5,161	3,000	3,000	3,000 ·	14,548		3,000	10,000	3,000	3,000	3,000	3,000	12,299	5,294	13,667	4,000	3,000
Field Work Scope	Bldg	Bldg	Bldg	Blag & Cing	Bldg	Bldg & Cing	•	6plg	•	Bldg & Clng	•	Cing Only	•	•	•	•	Bidg & Cing		•	Bldg & Cing	•	•	•	•	Bidg	•	•	Bldg	
Installation Name	Enlisted Pers Dining Fac Kitchen Area - Scullery	Enl Barracks w/o	Company HQ Building	Enl Barracks W/o Dining Company HQ Building	AAFES Snack Ba	Hlth/Dntl Clinic w/ Beds	Outdoor Swimmi	Gymnasium	Physical Fitness Center	Enl Barracks w/o	Company HQ Building	Enl Barracks w/o Dining	Company HQ Building	Admin General Purpose	Admin General Purpose	Admin General Purpose	Sig Photo Lab	Process	Admin General Purpose	GM Facility	Admin General Purpose	Admin General Purpose	Admin General Purpose	Admin General Purpose	Vehicle Maint Shop DS	Vehicle Maint Shop ORG	Vehicle Maint Shop ORG	FE Maintenance Shop	Admin General Purpose
Fac No.	P 206	P 207	7	P 208 P 208A	P 209	P 210	P 211	P 212	P 219	P 229	_	P 230	P 230A	S 235				_			S 243			S 247					S 286

TABLE F-1 EEAP BUILDINGS (REAL PROPERTY LIST RECORDS)

Fac		Field	Area	Useable	Category		
Š.	Installation Name	Work	(SF)	(SF)	Code	Other Measure	Remarks
		Scope					
P 287	Recreation Building	Bldg	5,584	4,914	74069	•	Ac Cing & Ht
\$ 288	General Purpose Warehouse	-	3,000	2,110	44220		Ac Cing & Ht
S 290	Electron Equip Facility	Clng Only	14,856	14,133	31740	•	Ac Cing & Ht
\$ 291	Cont Humid Warehouse	Bldg & Clng	7,400	6,512	44230	•	Ac Cing & Ht
P 295	Enl Barracks w/o Dining	Bldg & Clng	46,593	41,002	72111	228 PN	Ac Cing & Ht
P 301	ADP Building	Bldg & Cing	10,800	7,319	61031	50 PN	Ac Cing & Ht
P 642	Detached Latrine/Shower	Bldg	962		72324		HtPl
\$ 2201	S 2201 Control Tower - Range SPT	Bldg Ht Pmp	891	•	17123	1	Ac Clng & Ht

TABLE F-2 SUMMARY OF HEATING EQUIPMENT AND EFFICIENCIES SERVING EEAP BUILDINGS

	Teating System Data	Data	-	Heating System Losses	Cosses					,
Š	Fuel Used	System Type	Capacity	Firing Eff	Auxilliary	Radient	Convection	Shut-Down	General	Net Eff
	Type	Code	HUTB	%	%	%	%	%	%	%
T 121	Propane	AHU-PROP/DX	480,000	75.0%	•	4.0%	3.0%	2.0%	2.0%	64.0%
,	Same	V 14/47	414	/ec ca		%U 0	%U &	%U C	200%	65 0%
47	Propane	Y2		00.00		0.0				90.00
12/	Propane	WAF	000'06	80.0%		0.0%		2.0.2	Ø 0.0	Ø :
P 128	Propane	B/CW	267,000	80.0%		8.0%				73.0%
T 131	Propane	WAF-DX	NA	80.0%	•	10.0%				61.0%
S 144	Propane	PROP-UH	4 × NA	80.0%	1	%0'9	3.0%	2.0%	2.0%	67.0%
S 146	Propane	WAF	150,000	80.0%	1	8.0%				62.0%
T 149	Propane	WAF-DX	000'06	80.0%		8.0%	3.0%			65.0%
T 156	Shop - Wood	Stove					-			•
	Office-Electric	Window AC	About 1 RT		1		•	-	•	•
T 158	Electric	Window AC	About 1 RT		_		•	•	•	
T 161	Propane	WAF-PROP/DX	2 x 100,000	80.0%		4.0%	2.0%	1.0%	1.0%	72.0%
T 162	Propane	WAF-PROP/DX	2 x 100,000	80.0%	•	4.0%	2.0%	4.0%		72.0%
T 163	Propane	WAF-PROP/DX	2 × 100,000	80.0%		4.0%	2.0%	1.0%	1.0%	72.0%
T 164	_	WAF-PROP/DX	2 x 100,000	80.0%		4.0%	2.0%	40.1		72.0%
T 165		WAF-PROP/DX	2 x 100,000	80.0%	_	4.0%	2.0%	1.0%	1.0%	72.0%
T 166	Propane	WAF-PROP/DX	2 × 100,000	80.0%		4.0%	2.0%	4.0%	1.0%	72.0%
T 167	Propane	WAF-PROP/DX	2 × 100,000	80.0%	•	4.0%		4.0%	1.0%	72.0%
S 168	None	None	•		•	•	-	•	•	-
T 172	None	None			1					
P 177	Propane	RTAHU-PROP/D	250,000	78.4%						
P 178	Propane	WAF-DX	2 x 100,000	80.0%	3.0%			2.0%	2.0%	65.0%
S 182	Propane	AHU-PROP/DX	2 × 80,000	77.0%	2.0%					
S 186	Propane	AHU-PROP/DX	NA	%0'82	1	2.0%	3.0%			
P 190	Fuel Oil	RTAHU-HWB/DX	528,000	82.7%		5.0%			2.0%	73.7%
S 197	Propane	AHU-PROP/DX		86.0%	•	8.0%	%0'9	2.0%		
	Electric	Wind Ac + ER	30kW Ht, 2x1.5RT -		1	•	•	,		
S 198	Propane	WAF	100,000	80.0%	-	5.0%	3.0%	% 2.0%		
P 205	Fuel Oil	AHU-HWB/CW	1,875,000	87.7%	-	7.0%	4.0%	2.0%		
P 205A	A Fuel Oil	RTAHU-HWB/DX	(Same HW BIr)	87.7%	ı	7.0%	4.0%		3.0%	
P 206	Fuel Oil	RTAHU-HWB/DX 2 x 1,875,000	2 x 1,875,000	86.8%		%0'.2	4.0%	2.0%	3.0%	%8'02
P 207	Fuel Oil	AHU-HWB/CW	1,875,000	87.4%		7.0%	4.0%		3.0%	71.4%
P 207A	A Fuel Oil	RTAHU-HWB/DX	(Same HW Bir)	87.4%	1	7.0%		2.0%		71.4%
P 208	Fuel Oil	AHU-HWB/CW		88.1%	-	7.0%	4.0%			
P 208A	Fuel Oil	RTAHU-HWB/DX (Same HW Bir)	(Same HW Bir)	88.1%	<u>, </u>	7.09			3.0%	

TABLE F-2 SUMMARY OF HEATING EQUIPMENT AND EFFICIENCIES SERVING EEAP BUILDINGS

Fac	Heating System Data	Data		Heating System L	Losses					
Š	Fuel Used	System Type	Capacity	Firing Eff	Auxilliary	Radient	Convection	Shut-Down	General	Net Eff
	Туре	Code	втин	%	%	%	%	%	%	%
P 209	Propane	RTAHU-HWB/DX	280,000	77.2%		%0'9			3.0%	61.2%
P 210	Fuel Oil	AHU-HWB/CW	472,000	81.1%		4.0%	3.0%		2.0%	70.1%
P 211	Propane	HWB	972,000	77.2%	•	2.0%		2.0%	2.0%	65.2%
P 212	Propane	WAF-DX	336,000	81.7%	•	%0'9			3.0%	92.99
P 219	Propane	AHU-HWB/EC	000'059	%0.62		%0'9				%0'.29
P 229	Fuel Oil	AHU-HWB/CW	1,875,000	87.9%		%0'.	4.0%	2.0%		71.9%
P 229A		$\overline{\approx}$	(Same HW Blr)	87.9%		7.0%	4.0%	2.0%		71.9%
P 230		AHU-HWB/CW	1,875,000	87.2%		7.0%				71.2%
P 230A		RTAHU-HWB/DX	(Same HW Blr)	87.2%		7.0%	4.0%			71.2%
\$ 235		AHU-PROP/DX		77.0%	•	4.0%		1.0%		67.0%
\$ 236	Propane	AHU-PROP/DX	2 x 80,000	77.0%		4.0%			2.0%	67.0%
\$ 237	Propane	AHU-PROP/DX	2 x 80,000	77.0%	ı	4.0%	3.0%			67.0%
S 238	Propane	RTAHU-HWB/DX		81.9%	•	2.0%	4.0%	2.0%	2.0%	%6.89
P 240	Propane	AHU-PROP/DX	2 × 80.000	77.0%		4.0%	3.0%	1.0%		67.0%
\$ 241	Propane	AHU-PROP/CW	437,500	83.6%		8.0%		2.0%	3.0%	%9.99
	Electric	AHU-ER/DX	6 kW Reheat		•			•	•	0.0%
				_						
S 243	Propane	AHU-PROP/DX	2 x 80,000	77.0%	•	4.0%				
S 244	Propane	AHU-PROP/DX	2 x 80,000	77.0%		4.0%	3.0%			
\$ 246	Propane	1	2 x 80,000	77.0%	1	4.0%	3.0%			
S 247	Propane	AHU-PROP/DX	2 × 80,000	%0'22	•	4.0%		ال 1.0%		67.0%
P 252	Fuel Oil		000'059	84.0%	-	4.0%				
P 256	Fuel Oil	HWB-UH/R	270,000	82.7%	-	4.0%				
P 259	Fuel Oil	HWB-UH/R	000'059	84.9%	-	4.0%	3.0%	6 2.0%		
S 283	Propane	PROP-UH	3 X 75,000	80.0%	•	4.0%				%0.69
	Electric	Heat Pump	24,000		•	•				
S 286	Propane	AHU-PROP/DX	2 x 80,000	77.0%	ار	4.0%				
P 287	Propane	RTAHU-PROP/D	470,000	75.0%	•	4.0%				
S 288	Propane	AHU-PROP/DX	2 × 80,000	77.0%	-	4.0%	3.0%	1.0%	2.0%	
S 290	Propane	AHU-PROP/CW	1,020,000	80.8%	1	8.0%				
	Electric	Window AC/ER	36.8 kW	•	_	-	-			
S 291	Propane	AHU-STM/DX	1,020,000	78.8%	3.0%	7.0%				
P 295	Propane	FCU-HWB/CW	3,250,000	77.7%		8.0%	6 5.0%	2.0%	3.0%	59.7%
P 301	Propane	AHU-Prop/DX	312,500	84.0%	1	6.03				
	Electric	CPU-EH/DX	ZX(12:0,22:5)KW	•	1			<u>. </u>	<u>. </u>	
_		_	_		_	_	_	_	_	-

TABLE F-2 SUMMARY OF HEATING EQUIPMENT AND EFFICIENCIES SERVING EEAP BUILDINGS

										Contract of the last of the la
Fac	Heating System Data	Data		Heating System Losses	Losses					
Š	Fuel Used	System Type	Capacity	Firing Eff	Auxilliary	Radient	Convection	Firing Eff Auxilliary Radient Convection Shut-Down General	General	Net Eff
	Type	Code	BTUH	%	%	%	%	%	%	%
P 642	Electric	Heat Lamps	2 x 120 W	•	•	•	•	-	•	
\$ 2201	Electric	Heat Pump	11,600			•			,	,

TABLE F-3 SUMMARY OF COOLING EQUIPMENT SERVING EEAP BUILDINGS SPACE & PROCESS COOLING REQUIREMENTS

Fac	Cooling System Descriptions			
Š.		Manufacturer	Model	Serial
	Description			Vumber
	Split System, Evaporator Coil on WAF	Carrier	38EH030300SM	4386E36750
P 41A	Split System, Evaporator Coil on WAF	Snyder General		NA NA
P 41B	Split System, Evaporator Coil on WAF	Snyder General	AC0030GB	Y.
P 42A	Split System, Evaporator Coil on WAF	Snyder General	AC0030GB	NA
P 42B	Split System, Evaporator Coil on WAF	Snyder General	AC0030GB	- AZ
P 43A	Split System, Evaporator Coil on WAF		AC0030GB	¥Z
P 43B	Split System, Evaporator Coil on WAF		AC0030GB	Y A
P 44A	ш		AC0030GB	A'A
P 44B	Split System, Evaporator Coil on WAF	Snyder General	AC0030GB	Y Y
P 45A	Split System, Evaporator Coil on WAF	Snyder General	AC0030GB	AA
P 45B	Split System, Evaporator Coil on WAF	Snyder General	AC0030GB	¥N.
P 46	Split System, Evaporator Coil on WAF	Snyder General	AC0030GB	R893300095
	Split System, Evaporator Coil on WAF	Snyder General	AC0030GB	
	Split System, Evaporator Coil on WAF	Snyder General	AC0030GB	Ą
P 51B	Split System, Evaporator Coil on WAF	Snyder General	AC0030GB	Y.
P 52A	Split System, Evaporator Coil on WAF	Snyder General	AC0030GB	¥Z.
P 52B	Split System, Evaporator Coil on WAF	Snyder General	AC0030GB	ĄZ
P 53	Split System, Evaporator Coil on WAF	Snyder General	AC0030GB	
7 22	Split System, Evaporator Coil on WAF	Snyder General	AC0030GB	NA
P 55	Split System, Evaporator Coil on WAF	Snyder General	AC0030GB	
P 56	Split System, Evaporator Coil on WAF	Snyder General	AC0030GB	
P 57	Split System, Evaporator Coil on WAF	Snyder General	AC0030GB	
P 58	Split System, Evaporator Coil on WAF	Snyder General	AC0030GB	
P 59	Split System, Evaporator Coil on WAF	Snyder General	AC0030GB	
P 60	Split System, Evaporator Coil on WAF	Snyder General	AC0030GB	
S 79	Window A/C Units	Westinghouse & Dakin	AN	AN
P 80	Rooftop Heating & Cooling Unit	Lennox	DMS4360HW750	5175M0815SY
P 81	Split System, Central AHU	Trane	RAUA1253A & RAUB-406-E	NA
P 101	Chiller for Draw-thru Units	Trane	CGAA-2006-MB	L77C03544
	Various Window A/C Units	Various	٧Z	∢ Z
P 116	Rooffop Heat Primp Unit	Carrior	TOROGRA	V.
	יייט בייט בייט בייט בייט בייט בייט בייט		1000233	NA.
T 120	Pad Mounted Heating/Cooling Unit Pad Mounted Heating/Cooling Unit	Carrier Carrier	580AP048100 580AP048100	4289C13163 4289C13160

TABLE F-3 SUMMARY OF COOLING EQUIPMENT SERVING EEAP BUILDINGS SPACE & PROCESS COOLING REQUIREMENTS

Marie Company of the Company of the

Fac	Cooling System Descriptions			
Š	System	Manufacturer	Model	Serial
	Description		Number	Number
T 121	Packaged AHU	Carrier	48DD024 Series 400 MA	G393846
T 124	Split System, Evaporator Coil on WAF	Carrier	38EH030340	4488E29965
T 127		NA	NA	NA
P 128		Trane	CGAC25B	594867
T 131	Split System, Evaporator Coil on WAF	Carrier	38EH030300SM	4386E37907
S 144		٧X	Ϋ́	AZ
S 146		NA	NA	NA
T 149	orator Coil on WAF	Carrier	38EH036300	4488E31779
T 156	Window A/C Unit (2 each)	NA	Y.A	Y.
	Evaporative Cooler (2 each)	¥Z.	¥Z.	¥Z
T 158	Window A/C Unit	YZ	¥Z	Ą
T 161	Packaged Heat/Cool Unit, Pad Mounted	Lennox	HS17-953-3Y	¥.
T 162	Packaged Heat/Cool Unit, Pad Mounted	Lennox	HS17-813-34	NA V
T 183	Packaged Heat/Cool Unit, Pad Mounted	Lennox	HS17-813-34	Y.
T 164	Packaged Heat/Cool Unit, Pad Mounted	rennox	HS17-813-34	NA
T 165	Packaged Heat/Cool Unit, Pad Mounted	Lennox	HS17-813-34	NA
T 166	Packaged Heat/Cool Unit, Pad Mounted	Lennox	HS17-813-34	NA
T 167	Packaged Heat/Cool Unit, Pad Mounted	Lennox	HS17-813-34	NA
S 168	No Cooling System		-	
T 172	Refer to separate listing - Refr's	_	-	•
P 177	Packaged Rooftop Unit, Pad Mounted	Trane	YCH120A3H0AA	E481426330
P 178	Split System, WAF w/evap coils (2 ea)	Lennox	Cond: HS16-651U-8P	NA
S 182	Air Handling Unit (2 each)	Hussmann	HOCA0315RLKXU	NA
S 186	Split System Air Cooled Condensing	Carrier/ Day-Night	569BPX09000ACAA	NA
P 190	Packaged Rooftop Unit (2 units)	Fedders	CTC060C8A	CM 904289
S 197	Packaged Unit	Lennox	OCS3-1353-350	¥Z
	Window A/C Units (2 each)	NA	NA	NA
S 198	Evaporative Cooler	NA	NA	NA
P 205	Split System DX on Dual Duct AHU	Trane	RAUA-8006-EA	Ϋ́
P 205A	Rooftop Package Unit	Air Fan	LPS18D	A
P 206	Package Units (2 each)	Trane	SLZB4004HA	45C44DE4E
	Evaporative Cooling Units (6 total)	3 each Trane & Arvin	Trane: Type GW	K89M37985, NA,
P 207	Split System DX on Dual Duct AHU	Trane	RAUA-8006-EA	A Z
P 207A	Rooftop Package Unit	Air Fan	LPS18D	ΝΑ
P 208	Split System DX	Trane	RAUA-8006-EA	Y.
P 208A	Rooftop Package Unit	Air Fan	LPS18D	<u> </u>

TABLE F-3 SUMMARY OF COOLING EQUIPMENT SERVING EEAP BUILDINGS SPACE & PROCESS COOLING REQUIREMENTS

Fac	Cooling System Descriptions			
	System	Manufacturer	Model	Serial
	Description			Number
P 209	Rooftop Packaged Unit (1 on Roof 1 Pad)	Mammoth & Trane		17896-01-01
P 210	Chiller	Trane	CGABC256AB10F3	B81J04131
P 211	No Cooling			
P 212	Split System, DX Coil on WAF SA outlet	Lennox	HS6-1353V-7L (2 each)	5481J052, NA
Г	Evap. cooling only, total 8 units	Arvin	NA	NA
T	Split System DX on Dual Duct AHU	Trane	RAUA-8006-EA	14969H84A10
P 229A	Rooftop Package Unit	Air Fan	LPS18D	0925
P 230	Split System DX on Dual Duct AHU	Trane	RAUA-8006-EA	¥Z
P 230A		Air Fan	LPS18D	NA
\$ 235		Carrier (2 each)	48LH006580	NA
\$ 236		Carrier (2 each)	48LH006580	NA
\$ 237	Pad Mounted Package Gas Heat / Mech Cool	Carrier (2 each)	48LH006580	NA
S 238	Rooftop Package VAV Unit	McQuay	RPS030BY	3SG00759 13
P 240	Pad Mounted Package Gas Heat / Mech Cool	Carrier (2 each)	48LH006580	3297G24837
\$ 241	Split system AHU=Computer Room Unit	Bohn	D/S 0041AV31	BMA8190
	Chiller - Air Cooled	McQuay	ALR020AS	3ML0049811
	Evaporative Cooling Unit	Arvin	ES-143A	4430
\$ 243	Pad Mounted Package Gas Heat / Mech Cool	Carrier (2 each)	48LH006580	NA
\$ 244	Pad Mounted Package Gas Heat / Mech Cool	Carrier (2 each)	48LH006580	Y.
\$ 246	Pad Mounted Package Gas Heat / Mech Cool	Carrier (2 each)	48LH006580	AN
S 247	Pad Mounted Package Gas Heat / Mech Cool	Carrier (2 each)	48LH006580	NA
P 252	Evaporative Cooling Unit	Arvin (appearing)	Same as ES-143A	NA
P 256	Not in scope			
P 259	Evaporative Cooling Unit	Arvin (appearing)	Same as ES-143A	NA
\$ 283	Evaporative Cooling Units (2 each)	NA	٧Z	¥
	Window HP Unit	¥Z.	NA	¥
\$ 286	Pad Mounted Package Gas Heat / Mech Cool	Carrier (2 each)	48LH006580	AA
P 287	Rooftop Unit	Trane	SBZB2006MB34C24D6	B4F00241
S 288	Pad Mounted Package Gas Heat / Mech Cool	Carrier (2 each)	48LH006580	NA
S 290	Air Cooled Chiller	Trane	CGAC25BRM	591276
	4 total Window A/C's & Heat Pumps	Carrier & Sears	See Notes	See Notes
S 291	Split System Air Cooled Condensing	NA	V A	NA
P 295	Chiller to Room FCU's	McQuay	AHR-054CD	A342600
P 301	Bldg: Air Cooled Condensing	Trane	RUAC B624-A	C81H-02942
		Contempo Engr Co	CEMA-2034	18951 J84
	Cmptr Rm A/C: A-C Condensing	Data Aire (3 each)	DAAD-2034	87-1352,4&5-A

TABLE F-3 SUMMARY OF COOLING EQUIPMENT SERVING EEAP BUILDINGS SPACE & PROCESS COOLING REQUIREMENTS

:	ooiiiig oysteiii Descriptioriis			
	ystem	Manufacturer	Model	Serial
<u> </u>	escription		Number	Number
P 642	o Cooling System			•
S 2201 W	findow Type / Thru Wall Heat Pump	Zone-Aire, ZMO Inc.	CSM311350	187-120026
Totals				

TABLE F-3 SUMMARY OF COOLING EQUIPMENT SERVING EEAP BUILDINGS SPACE & PROCESS COOLING REQUIREMENTS

Cooling System Descriptions			
	Manufacturer	Model	Serial
	Number	Number	Number
T EXCHANGE: PRODUCT	ERS AND CONDENSING	UNITS	
PRODUCT CASES			
	Hussmann	1S06T1FG1	210878DX
	Tyler	X04FG12 Code 4208	NA
	Tyler	AFG6 1276 Code 807409W	NA
	NA	NA	NA
	Beverage Air	MT66	NA
		MT65	NA
7. Product Case 7	True	GDM-46	YA V
8. Walk-in Box	Baily Cold Box	BA-200A	Y.
Evaporator in Walk-in Box	Bally Cold Box	BA-300A	NA
Evaporator in Walk-in Box	Bally Cold Box	BF-100A (2 each)	NA
Product Cooler Condensing Unit	Copelamatic	LAL 1 0310TAC	07C 75C 15227
Condensing Unit	Tyler	TTH8300 Code 3526	S0 801766W
	Tyler	THS-300-502L Code 3526	268574SN
Product Cooler Condensing Unit	Copeland	LAHI-0310-TAC	NA NA
MMISSARY: PRODUCT COOLE	RS AND CONDENSING UN	ZITS	
PRODUCT CASES			
1. Ice Cream	NA	NA	NA
2. Frozen Pizza	NA	NA	NA
3. Frozen Vegetables	NA	NA	NA
4. Dairy Chiller	Hussmann	DM12ZHU	NA
5. Meat Chiller	Hussmann	MHF12U	NA
6. Produce	Hussmann	PH12U	NA
7. Produce	Hussmann	PH12U	NA
CONDENSING UNITS			
Condensing Unit - Air Cooled	Hussmann	HOCA0915 RLKXU	9061-004
Condensing Unit - Air Cooled (4 each)	Hussmann	HOCA0313VHKXU	NA
BUILDING 172 COMMISSARY COLD STORAGE - COLD BOXES (units numbered in sequence with Bidg. 182 product cooler	COLD BOXES (units number	ered in sequence with Bidg. 1	82 product cooler
COLD BOXES			
8. Walk-in Cold Box	Barrons Metal Products	MIL Spec: MILR10932E	NA
9. Walk-in Cold Box	Barrons Metal Products	MIL Spec: MILR10932E	NA
10. Walk-in Cold Box	Barrons Metal Products	MIL Spec: MILR10932E	NA
11. Walk-in Cold Box	Kolpak	NA	NA
12. Walk-in Cold Box	Kolpak	NA	NA
CONDENSING UNITS			

TABLE F-3 SUMMARY OF COOLING EQUIPMENT SERVING EEAP BUILDINGS SPACE & PROCESS COOLING REQUIREMENTS

Cooling System Descriptions			
System	Manufacturer	Model	Serial
Description			Number
8. Condensing Unit	Heatcraft	TRH-020-AL53F	WUH00040
9. Condensing Unit	Heatcraft	TRH-020-AL53F	WUH00033
10. Condensing Unit	Heatcraft	TRH-020-AL53F	WUH00045
11. Condensing Unit	Copeland	EBAM-A075-TAC-001	Ą
12. Condensing Unit	Copeland	EBAM-A075-TAC-001	Ą
BUILDING 241 WALK-IN COLD BOX	Marvair	24VP-8-D83-AA	176

TABLE F-4 EXISTING DOMESTIC HOT WATER SYSTEM SUMMARY

		Domo		ot Wate	rilea	Domestic	Hot Water Heat	na Syster	n Data	
Fac	t-st-listing Alama				Meals	Fuel	System	Volume	Capacity	Actual
No.	Installation Name	Usage	FR	Week		Used	Type	Gallons	BTUH	Temp
		Code	3	7 7	/Day	Propane	HWH	40	29,000	135
T 6	Family Housing NCO & Eni	10	_	7	12	Propane	HWH	50	36,000	140
	Family Housing NCO & Enl	10	4	7	12	Propane	нwн	50	36,000	140
P 41B	Family Housing NCO & Enl		4	7	12	Propane	нwн	50	36,000	140
P 42A	Family Housing NCO & Enl	10 10	4	7	12	Propane	HWH	50	36,000	140
P 42B	Family Housing NCO & Enl	10	4	7	12	Propane	нwн	50	36,000	140
P 43A	Family Housing NCO & Enl		_	7	12	Propane	нwн	50	36,000	140
P 43B	Family Housing NCO & Enl	10	4	7	12	Propane	HWH	50	36,000	140
P 44A	Family Housing NCO & Enl	10		7	12	Propane	нwн	50	36,000	140
P 44B	Family Housing NCO & Enl	10	4		12	Propane	HWH	50	38,000	140
P 45A	Family Housing NCO & Ent	10	4	7	12	Propane	HWH	50	36,000	140
P 45B	Family Housing NCO & Enl	10	4	7			HWH	50	36,000	145
P 46	Family Housing CG & WO	10	4	7	12	Propane	HWH	50	36,000	145
P 47	Family Housing CG & WO	10	4	7	12 12	Propane Propane	HWH	50	36,000	140
P 51A	Family Housing NCO & Enl	10	4	7		Propane	HWH	50	36,000	140
P 51B	Family Housing NCO & Enl	10	4	7	12	Propane	HWH	50	36,000	140
P 52A	Family Housing NCO & Enl	10	4	7	12 12	Propane	HWH	50	36,000	140
	Family Housing NCO & Eni	10	4	7			HWH	50	36,000	140
P 53	Family Housing CG & WO	10	4	7	12	Propane	HWH	50	36,000	140
P 54	Family Housing CG & WO	10	4		12 12	Propane	HWH	50	36,000	140
P 55	Family Housing CG & WO	10	4	7	12	Propane	HWH	50	36,000	140
	Family Housing CG & WO	10	4	7	12	Propane	HWH	50	36,000	140
P 57	Family Housing CG & WO	10	4		12	Propane	HWH	50	36,000	140
P 58	Family Housing CG & WO	10	4	7	12	Propane	HWH	50	36,000	140
P 59	Family Housing CG & WO	10	4	7		Propane	HWH	50	36,000	140
P 60	Family Housing CG & WO	10	4		12	None	None		30,000	
S 79	Post Office, Main	8	2	6	0	Electric	HWH	80	18 kW	135
P 80	Exchange, Main Retail	8	60	7		Electric	HWH		2 kW & 4.5 kW	135
P 81	Theater with Dressing Rm's		350	3	100		HWH	100	251,000	160
P 101	Open Din Cons (Hacienda)	7	17	7	120	Propane	HWH	40	29,000	140
	Club (Bar)	9	9	7	10	Propane	н₩Н	83	200,000	140
	Hacienda, Dwellings	3	10	7		Propane Propane	HWH	100	240,000	140
		10	9	7	9		HWH	5	4.5 kW	120
P 116	Exchange Service Station	2	2	7	0	Electric	same unit	5	7.5 KW	120
	(Non-shop areas)	8	8	7	0	D	HWH-Circ	100	240,000	110
T 120	Fire Station - Office	1	7	7		Propane	HWH-Circ	100	240,000	140
	Fire Station - Dorm	4	7	7	21	Propane	HAALI-CRC	100	240,000	170
	Fire Station - Garage	2	•		- 10	<u> </u>	LNAGL	24	37,000	121
T 121	Bowling Center	5	10	5	10	Propane	HWH	31 6	1.25 kW	142
		2		5		Electric	HWH	40	34,000	160
T 124	Family Housing LC & MJ	10	4	7	12	Propane	HWH		240,000	128
T 127	Officers Quarters Military	3	10	7	0	Propane	HWH	100		140
P 128	Officers Quarters Military	4.	80	7	160	Propane		100	240,000	135
T 131	Family Housing CG & WO	10	4	7	12	Propane	HWH	40	500,000	NA
S 144	Gymnasium	5	_	t in Use		Propane	HWH	69	300,000	14/4
	FE Facility	2	5	5	0	None	- LAARI	- 40	29,000	135
	Family Housing NCO & Enl	10	4	7	12	Propane	HWH	40	1.65 kW	140
T 156	FE Facility - Shop	2	3	5	0	Electric	HWH	6	1.05 KW	140
	FE Facility - Office	1						<u> </u>		
	Vehicle Storage	2	0	0	0	None	-		-	
	Admin General Purpose	1	12	5	0	None	<u> </u>	-		-
	Elec Maint. Shop		11	5	0	None	-	-		-
T 163	Officers Quarters Military	3	NA	NA	NA	NA	-		•	-

TABLE F-4 EXISTING DOMESTIC HOT WATER SYSTEM SUMMARY

Fac		Domes	tic H	ot Wate	r Use	Domestic	Hot Water Heat	ing Syster	n Data	
No.	Installation Name	Usage	PN	Days	Meals	Fuel	System	Volume	Capacity	Actual
ł		Code	1	/Week	/Day	Used	Туре	Galions	BTUH	Temp
S 290	Electron Equip Facility	2	15	5	0	Propane	HWH-C	100	197,000	135
S 291	Cont Humid Warehouse	2	6	5	0	None	None	-	•	
P 295	Eni Barracks w/o Dining	3	114	7	0	Propane	BLR/TK-2Circ	1,700	3,250,000	128
P 301	ADP Building	1	20	7	0	Electric	HWH	5	1.5 kW	132
P 642	Detached Latrine/Shower	3.1	20	7	0	Propane	HWH/TK-Cire	80 & 350	180,000	130
S 2201		1	1	Few	0	None	None	-	-	-

TABLE F-5 BUILDING LIGHTING SYSTEM SUMMARY

TABLE F-5 BUILDING LIGHTING SYSTEM SUMMARY

Fac		Exis	Existing Interior Ligi	rior Lig		nt Fixtures (Number	ımber	Each)	* indi	cates	only t	* indicates only those fixtures	tures s	subject to retrofit	t to	trofit				
Š	Installation Name	ř	ă	š	4×	ĕ	ă	ř	న	ě	4 *	<u> </u>	_	<u> </u>	_	<u>_</u>	HPS	N MH	¥	₩
		F40	F40	F40	F40	F46	F40U	F96	F96 F	96 F	86	90	75 100	_	50 25	250 300	0 1,000	0 400	400	1,000
1 e	Family Housing NCO & Enl *		2				П					10		2		Н				
P 41A	Family Housing NCO & Enl *				-											-				
P 41B	Family Housing NCO & Enl *				-									_	\dashv	-	_	_	_	
P 42A	Family Housing NCO & Enl				-								-			-				
P 42B	Family Housing NCO & Enl *				-								_	_		-	=	_		
P 43A	Family Housing NCO & Enl *				-								\dashv	_	4	\dashv				
P 43B	Family Housing NCO & Enl				+				_									_		
P 44A	Family Housing NCO & Enl				-								_							
P 44B	Family Housing NCO & Enl *				-							-	-							
P 45A	Family Housing NCO & Enl *				1									_						
P 45B	Family Housing NCO & Enl				1										\dashv				_	
P 46	Family Housing CG & WO *				1										\dashv					
P 47	Family Housing CG & WO *				1															
P 51A	Family Housing NCO & Enl *				1															
P 51B	Family Housing NCO & Enl *				1															
P 52A	Family Housing NCO & Enl				1											\dashv		_		
P 52B	Family Housing NCO & Enl				-										\dashv	-	-	_	_	
P 53	Family Housing CG & WO *				1									\dashv	\dashv					
P 54	Family Housing CG & WO *				1									\dashv	_	-	-			
P 55	Family Housing CG & WO *				1										_					
P 56	Family Housing CG & WO *				ŀ									_						
P 57	Family Housing CG & WO *				ļ															
P 58	Family Housing CG & WO *				-										\dashv	\dashv				
P 59	Family Housing CG & WO *				-								\dashv	\dashv	\dashv		1	\dashv	_	
P 60	Family Housing CG & WO *				-								-	-		_			_	
S 79	Post Office, Main		17											_	_	-	_			
P 80	Exchange, Main Retail		22		28				35			1		ဗ						
P 81	Theater with Dressing Rm's	6	15										12			2	20			
P 101	Open Din Cons (Hacienda)	17	1									212								
	Club (Bar)														-					
	Hacienda, East Rooms																			
P 116	Exchange Service Station				9				ω			-		<u> </u>						
_	(Non-shop areas)	_	_	_	_			_	_	_	-	_	_	-	_	-	=	=	=	_

TABLE F-5 BUILDING LIGHTING SYSTEM SUMMARY

		Fyict	Existing Interior Light	rior	ш.	lires (A	Eixtures (Number Each)	Fach)	* indi	cates (* indicates only those fixtures	Se fixt		subject to retrofit	o retro	ofit				
ב ק	Comply motion limited	2 3	2	֚֚֚֓֞֜֞֟֝֟֝֟ ֓֞֓֞֓֓֞֓֓֞֩֞֓֓֓֞֩֞֩֓֞֩֞֓֓֓֞֩֞֩֞֩֓֡֓֓֡֓֡֓֡֓֡		2	200	12	200	2	/ ^	-		-			NGH	ΗM	2	≥
o Z	Installation Name	¥ 5	X 2	χ ς υ	¥ 0	5 5	Y 27	Y 90	_	¥ 0	¥ 01	60 75	- 5	- 5	250	30	2	40	5	C
		7 5	5	-	140	-+	7400	-	-	-	4	4	4	2	ŝ	-	30,	3	3	3
T 120	Fire Station - Office		79		4				က				-			ო	∞			on .
	Fire Station - Dorm										_									
	Fire Station - Garage								1											
T 121	Bowling Center		25		(8) 07								_							
T 124	Family Housing LC & MJ			_								_	_							
T 127	Officers Quarters Military			_						_	C	21	13							
P 128	Officers Quarters Military *	က္ခ	20	_	က္ဆ						u)	50								
T 131	Family Housing CG & WO *				-															
S 144	Gymnasium		_						3		6	36								
S 146	FE Facility		31						-											
149	Family Housing NCO & Enl		Ľ								1	10	1							
T 156	FE Facility - Shop		က						18			-								
	FE Facility - Office																			
T 158	Vehicle Storage		ဗ					,,,,						3						
T 161	Admin General Purpose		7		52															
T 162	Elec Maint. Shop	2	32													_				
⊤ 163	Officers Quarters Military		32								٠									
<u>1</u>	Admin General Purpose	7	32																	
T 165	Admin General Purpose	7	32																	
T 166	Officers Quarters Military	8	32																	
T 167	Officers Quarters Military	5	32																	
S 168	General Purp Warehouse		17											_		_				
T 172	Cold Storage Warehouse	Inclu	Included with buildir	th buil	ō	182														
P 177	Technical Library		10	8																
P 178	Child Development Cntr *	2	45									-	_	_						
S 182	Commissary	<u>.</u>	4	3				69	12		-									
S 186	Sup Svc Admin Bldg	<u> </u>			37	_														
P 190	Post Chapel		10		8							4 17								
S 197	١,	-	22					2	22	27		<u>6</u>								
	Admin Bldg R&D - Electronics									-	1	1	\downarrow	1	_	_				
S 198	General Inst Bldg			4	위					1		-		\downarrow		_				
P 205	ø	ın D	<u>ਦ</u>		158		ស				-	ო					2			
4502 A	P 205A Company MG Building	_	_	_	_	_	_	_	_	_	-	_		_		_	=	=		

TABLE F-5 BUILDING LIGHTING SYSTEM SUMMARY

Fac		Exis	Existing Interior Lia	rior Lic		Ires (N	nt Fixtures (Number 6	Each)	* indi	cates	only th	* indicates only those fixtures subject to retrofit	ures si	J bject	to ret	ofit			:	
Ž	Installation Name	ř	ă	χ̃		ĕ		ř	X	×e	*	=	E	F	L	E	HPS	MH	¥	₩
<u> </u>		F40	ш	ш	F40					F96 F		60 7	75 100) 150	250	300	1,000	400	400	1,000
P 206	Enlisted Pers Dining Fac		78		18		173										L	_		
	Kitchen Area - Scullery								-				-	_				_		
P 207	Enl Barracks w/o Dining	-			158		വ					ന								
P 207A	Company HQ Building **		51		15							_	-	_	-					
P 208	Eni Barracks w/o Dining	ည	15		158		2					က								
P 208A	Company HQ Building				15								_	\dashv	\dashv			_		
P 209	AAFES Snack Bar	ഗ	13		3							39								
P 210	Hith/Dritl Clinic w/ Beds		107		52						H									
P 211	Outdoor Swimming Pool																			
P 212	Gymnasium	က	5		2								_					21		
P 219	Physical Fitness Center *																			
P 229	Enl Barracks w/o Dining	2	15		158		9					3								
P 229A	Company HQ Building *				15							_			_				*	
P 230	Enl Barracks w/o Dining	വ	5 15		158		9					3								
P 230A	Company HQ Building	٠.			15						***				_	_				
\$ 235	Admin General Purpose				32					-				_	_	_		_		
S 236	Admin General Purpose				32									\dashv	-			_	_	
\$ 237	Admin General Purpose		•		32								•	-			-	_	_	
\$ 238	Sig Photo Lab		108	24	47									<u>ب</u>						
	Process								-	1	+			\dashv	4	\dashv	_	_	_	
S 240	Admin General Purpose				32								-		-			-		
S 241	GM Facility		ഹ	22	8															
S 243	Admin General Purpose				32				\vdash				-		_				-	
\$ 244	Admin General Purpose				32															
\$ 246	Admin General Purpose				32													_		
\$ 247	Admin General Purpose				35													_		
P 252	Vehicle Maint Shop DS	31	19									1		-		6				
P 256	Vehicle Maint Shop ORG	*	8										2			_				
P 259	Vehicle Maint Shop ORG **	* 34	4 68									-		_	_	0		_		
S 283	FE Maintenance Shop				2			CV .						9					-	
\$ 286	Admin General Purpose		<u></u>		32					 -			_			_	_		_	

TABLE F-5 BUILDING LIGHTING SYSTEM SUMMARY

Fac			-xisti	Existing Interior Ligh	ior Lig	ht Fixt	ires (N	nt Fixtures (Number Each)	Each)	* ind	cates	only th	* indicates only those fixtures subject to retrofit	tures :	subjec	t to re	trofit				
Š	Installation Name		1x	2X	ж	4×	×9	2x	1x	2X	3x	4x	_	_	_	_	_	- FPS	NH S	<u>¥</u>	<u>₹</u>
			F40	F40 F40	F40	F40	F40 F40 F40U	_	F96	F96	F96 F	F96	09	75 10	100 150	0 25	250 30	300 1,000	400	400	400 1,000
P 287	Recreation Building		11	8		55							8	$\mid \rightarrow \mid$			H				
S 288	General Purpose Warehouse					32															
s 290	Electron Equip Facility			115		72													-		
\$ 291	S 291 Cont Humid Warehouse	*	10	59		9							2	Н	H	H	Н				
P 295	Enl Barracks w/o Dining			284		3							27		-			-		4	
P 301	P 301 ADP Building			11		143	2			:								: <u>, , ; ; </u>			
P 642	Detached Latrine/Shower			10										+	+	+	+		+		
\$ 2201	S 2201 Control Tower - Range SPT			4								┪			_	_			_	_	
Buildir	Building Totals		218	1631	143	1912	2	198	73	102	27	0	462	31	27	35	20 %	23	8 21	1	6 (
		1 1																			

TABLE F-6 LIGHTING FIXTURE DATA SUMMARY

Existing Lighting Fixtures	ures		Retrofit Lighting Fixtures	Fixtures		Savings
Ballast &	Fixture	Avg. Lamp	Fixture	Fixture	Avg. Lamp	Savings per
Lamp Types	Watts	Life (Hrs)	Туре	Watts	Life (Hrs)	Fixture (W)
1 x F40T12	20	20,000	1 x F32T8	37	20,000	13
2 x F40T12	72	20,000	2 x F32T8	61	20,000	11
3 x F40T12	115	20,000	3 x F32T8	91	20,000	24
4 x F40T12	144	20,000	4 x F32T8	122	20,000	22
6 x F40T12	230	20,000	4 x F32T8	122	20,000	108
1 x F96T12/HO	135	12,000	2 x F32T8	61	20,000	74
2 x F96T12/HO	227	12,000	2 x (2)F32T8	122	20,000	105
3 x F96T12/HO	341	12,000	2 x (3)F32T8	182	. 20,000	159
4 x F96T12/HO	454	12,000	2 x (4)F32T8	244	20,000	210
09	09	1,000	13W/5T4	17	10,000	43
1 75	75	750	18W/7T4	25	10,000	50
100	100	750	18W/7T4	25	20,000	75
1150	150	750	F32/T8	37	20,000	113
1 250	250	750	2 x F32/T8	61	20,000	189
1 300	300	750	2 x F32/T8	61	20,000	239
HPS 1,000	1,090	24,000	HPS 1,000	1,090	24,000	0
MH 400	461	24,000	MH 400	461	24,000	0
MV 400	450	24,000	MV 400	450	24,000	0
MV 1,000	1,080	24,000	MV 1,000	1,080	24,000	0

LOCATION FAL BUILDING NUMBER T- C		2	- دستان				J			
INFORMATION SOURCE (DWG	i. NO./PERSO	N) SUY	NEY							<u></u>
SENERAL BUILDING DATA										
BUILDING AGE:	30+	YEARS								
DUPLICATE BUILDING	NOS:									
* ************************************								T(OTAL:	
SIMILAR BUILDING NO	s: <u>12</u>	4, 131, 14	49							
									OTAL:	3
BUILDING OCCUPANCY:		CONTINUOUS	(24 HRS/D	AY)	-		NO. (of Occur	PANTS	4
Indicate (numbe	r and) dura	tion of occupa	nts each	day		•	•		-	
м					1					
Т										
W		- VA	12/1	ES	,					_
F								1	+	
S										
S		5 8	10	12 1	4 1	6	18	20	22	24
MICCELL ANEQUE FOUR		U, Stere		-						
MISCELLANEOUS EQUIF		as Stone				<u>~</u> ^	<u> </u>	uen		
					-0					
										
ADDITIONAL COMMENTS	, CRITICAL	LOADS: No	re				*			
						- ,			<u>v</u> .	
									, v	

2.2 BUILDING FLOOR PLAN AND ELEVATION: SKETCHES

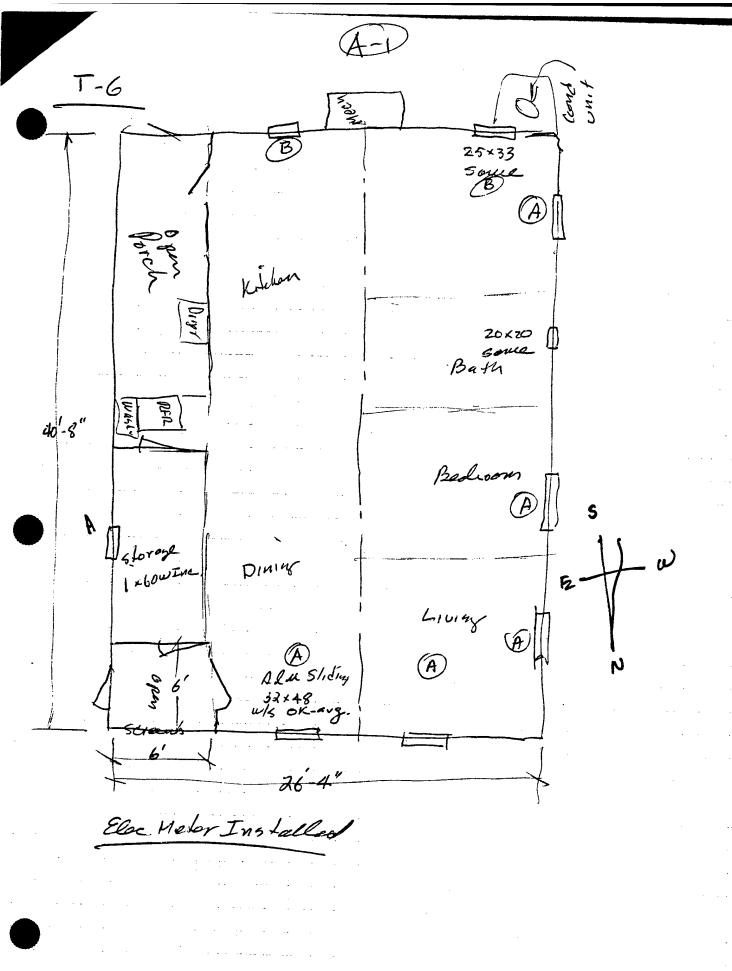
FLOOR PLAN (Show dimensions and zones)

See attacked floor Plan A-1

SOUTH ELEVATION (Show floor to ceiling elevations)

8' eves, realed roof.

BUILDING FLOOR PLAN AND ELEVATION SKETCHES



7 0000					NUMBER	BER			-	\$17E	9	GLAZING*		TYPF			INF	INFILTRATION		
WINDOW DESIG.	TYPE	z	R	ш	25	S	MS	3	Æ	77.C L × H	TYPE	DBL	TRPL	OF FRAME**	W/S YES	9	FIT LOOSE AUG	CRACK	REMARKS *** ***	
ALU Scibins	3	ĸ		-				2	32	32×4B	87			I	7		7			
11	~					~			23	25×33	m			٤	7		,			
1	5								7	orx or	€			I	7		\			
boal				7					iń	32×78				જ	7		7			
												i i								<u> </u>
																				<u> </u>
				•																
							2	TOTAL AREA	Y.			<u>-</u> -	U-VALUE							
		•							1	E	LEGEND		-		:					
*GLAZING: 1 - ORDINARY 2 - 1," PLATE 3 - HEAT ABSORBING 4 - TINTED)RB I NG		- WOOI - MET	**FRAME: D AL AL/THERMA	AME: ERMAL	**FRAME: W - WOOD M - METAL T - METAL/THERMAL BREAK		A - SOL B - VEN C - STC D - DRA	***SHADING: SOLAR FILM VEN BLIND STORM WIND DRAPES	***SHADING: SOLAR FILM VEN BLIND STORM WINDOW DRAPES	* шш00	- AWN - SOL, - OVE! THER -	****VISIBILITY: E - AWNING F - SOLAR SCREN G - OVERHANG OTHER - SPECIFY	KY:	35-		MIND DOUBLE HUNG SINGLE HUNG SLIDING	WINDOW TYPES:	CASEMENT LOUVERED FIXED GLASS	

BUILDING ENVELOPE					ATION FHL G. NO. T-6
CONSTRUCTION				OLD!	3. 110. <u> 1-10</u>
/ALL	COLOR: D] M 🔀 L 🗌	ROOF (INCL. CLG.)	TYPE: COLOR:	= =
MATERIAL	THICKNESS (IN.)	R VALUE	MATERIAL	THICKNESS (II	N.) R VALUE
OUTSIDE FILM		***	OUTSIDE FILM		
Wood Siding Air Syp Bd	- // "				
Air	3/2"		Shingle Comp 1/2" Dack		
Syp BL	忆		1/2" Dack		
			Insu/		22
			Gyp Bd		
INCIDE ELIM			INSIDE FILM		
INSIDE FILM					
	TOTAL AREA		U-FACTOR O. C		TAL REA
J-FACTOR .			U-FACTOR O. C		
J-FACTOR .		R VALUE			REA
J-FACTOR O.	31 AREA	R VALUE	DOOR	od Al	REA
H-FACTOR O. CLOOR MATERIAL OUTSIDE FILM	THICKNESS (IN.)	R VALUE	DOOR MATERIAL	od Al	REA
H-FACTOR O. CLOOR MATERIAL OUTSIDE FILM	THICKNESS (IN.)	R VALUE	DOOR MATERIAL	od Al	REA
FLOOR MATERIAL OUTSIDE FILM	THICKNESS (IN.)	R VALUE	DOOR MATERIAL	od Al	REA
J-FACTOR O. FLOOR MATERIAL OUTSIDE FILM	THICKNESS (IN.)	R VALUE	DOOR MATERIAL	od Al	REA
J-FACTOR O. FLOOR MATERIAL OUTSIDE FILM FF-Corpt	THICKNESS (IN.)	R VALUE	DOOR MATERIAL OUTSIDE FILM	od Al	REA
J-FACTOR O. FLOOR MATERIAL OUTSIDE FILM	3/4 5/8	R VALUE	DOOR MATERIAL	THICKNESS (II	N.) R VALUE
J-FACTOR FLOOR MATERIAL OUTSIDE FILM Back-Roy 1 FL FF-Corpel	THICKNESS (IN.)	R VALUE	DOOR MATERIAL OUTSIDE FILM	THICKNESS (II	REA

. 2.

LOCA	TION	FHL
BLDG.	HO.	T6

'3.1 HEATING EQUIPMENT

Heat Source: Furnace Steam Hot Water	Heat Sun	Dlied Steem on Heat	10.4.c.	
Furnace Steam Hot Water Boiler	Pump (Ex	ternal Boiler Plant)Other_	
Capacity: 34 K Btu/Hr or	Boiler HP or	Lbs/Hr	Steam or	GPM Hot Water
Manufacturer: Carrier		Model No.: 38 EA	103030051	1
Boiler/Furnace Control: Manual				
Operating Temperature:	°F	Operating Pressure	e:	PSI
Fuel: Nat. Gas Only Nat. Gas/		Draft:	Forced	
Other (Specify) Propane			Induced	
Burner: Mfg.	Model No		Metering Equipment:	Yes No
Continuous Operating Schedule: Weekdays:	From	To	Hr/Day	
Weekdays & Holidays:		То		
Operating Season:		Mon/Day,		
Flue Gas Temperature:°F	Receiver Tank Condi	itions: DA	PSIG	1)A °F
If supplied Steam Pressure NA Steam Pressure NA Insulation: (1) Boiler	PSI Hot Water Suppl		Hot Water Return	
Poor Area		-T ² Poor	Area	FT ²
None X Temp.				
Pump: No. of Pumps N		V/PH/FLA		
Mfg. NA	Model	NA	HP	RPM
HW Pump Starter: HOA Rese	et P/B S/S Push	Button Interio	ocked with Boiler?	Yes No
FOR LARGE BOILERS (over 6,000 MBTUH): Com	bustion Control Mfg.		Model	
Condensate Pumps/Hot Water Pumps: Mfg		Model		HP
Boiler/Furnace Condition: Describe				
Describe				
Occupant Discomfort (Evaluate):				
				_

3.2 COOLING EQUIPMENT

COMPRESSOR(S)/CHILLER	COOLING TOWER
Manufacturer	Gravity
Model No	Mech. Draft
Size	Manufacturer
Refrigerant	Model No.
Motor HP (if available)	
Motor Voltage	Fan RPM
Motor FLA	Fan Motor HP
Measured Amps	Fan Motor Voltage
	Fan Motor FLA
CONDENSER/CONDENSING UNIT	Measured Amps
Water Cooled	CHILLED WATER PUMPS (If more than one, how many
Air Cooled	operative during normal operation:)
Evaporative	
Manufacturer ARILET	Manufacturer
Model No. <u>386103030</u>	
Size <u>S TOH</u>	Capacity Gals.
Type of Fan	Head, Ft
Fan Motor HP	Motor HP
Fan Motor Voltage 206	Motor Voltage ————————————————————————————————————
Fan Motor FLA	Motor FLA
Measured Amps	Measured Amps
CONDENSER WATER PUMPS (If more than one, how	w many operate on normal operation:)
Manufacturer	
Model No.	<i>_</i>
Capacity, Gals.	<i>_</i>
Head, Ft	
Motor HP	<u> </u>
. Motor Voltage	
Motor FLA	
Measured Amps	
REMARKS:	
_	

LOCATION FH

DC	MESTIC HOT WATER HEATING SYSTEM/EQUIPM	<u>ENT</u>	BLDG. NO.
a.	Is System Supported from (check one):	Central Plant Several Small Systems per Bu	_ One System per Building
b.	Domestic Hot Water Temperatures provided		
c.	Average Pipe Sizes of All HW Piping and		
d.	Is Piping System Insulated and Condition	: MOST HOT	
e.	Is Hot Water Circulated?	Ö	
	1) Condition of circulator	3) Is aquastat provid	ded?
	2) Circulator capacity		ure setting
DOI:	ESTIC HOT WATER HEATING EQUIPMENT (If mo		
a.	Location		
b.	Areas Served	All	
c.	Manufacturer and Model	AMERICAN GYPY3	31100
d.	Energy (Oil, Gas, Electric, Coal, Etc.)	PRODUCE PRODUCE	3-1019
e.	Type Heaters & Quantities:		
	1) Storage	40 GM	
	2) Instantaneous		
	3) Semi-Instantaneous		
f.	Heater Size and Storage Capacity		
	Heating Capacity	29 MBH 1,0	
h.	Type Controls (Air, Steam, Electric)		
i.	When Installed & Condition		
	Heater Temperature Setting		
	Average Water Maintained Temperature		
1.	Temperature Differential (j) - (k)		
n.	Is Hot Water Supply Adequate:	765	
	Insulation Thickness Insulation Material	Type	

3.4

BLDG.

LIGHTING

_															
	REMARKS	(LIGHTS/SWITCH)										-			
	WINDOW														
F	٥٥٠ ٣	~		1	1			 	 	-	 	 	 	-	
FINISH	347.						†			 	 			-	İ
E	ошнын	z o								1	 		1	1	ĺ
S	00											1		1	ĺ
COLORS	347.													1	
٥		20		ļ	<u> </u>									1	
	MEASURED ILLUMI- CEILING NATION HEIGHT	(FT)	9					7							
	MEASURED ILLUMI- NATION	(FC)	Š	3 2	2	よる	なっ	₹ 2							
	WATTS PER SQ.FT.	(W/FT ²)	0 1/2	0,8	7.4	S	7	23							
	FLOOR AREA SERVED	(FT ²)	15,0	521	β	55	2	75/150							
	LIGHTING FLOOR ENERGY SERVED	(KWH/YR) (FT ²)	365/153	175		175	22	1257							
	DAYS/ YEAR ON		765	365	365/250	365	365	_<,>5			-				
	HOURS/ DAY ON		0	4	4	す		4							
	TOTAL		20	120	545	\mathcal{C}	60	5							
	LAMPS NUMBER PER OF FIXTURE FIXTURES AND		-18	4	7	7	:	ک	_				•		
		FIXTURE	1/2	13	7/0	73	13	13							
	LAMP TYPE AND	C	r	4	4	4	1-1	4					`	NG RGY	
	FIXTURE TYPE		2	r	5	5	5	5						TOTAL BUILDING LIGHTING ENERGY	
	TASK CODE		7	'n	Civia	9	20	5						TOTA LIGH	

<u>LIGHTING</u>
4.2.1

Recessed = R Suspended = S Ventilated = V Pole Mounted = PM Other--Describe

12 = Storage room
13 = Retail store
(Px, commissary)
Other (describe on
audit form)
E = Exterior

Tasks Code:

If there are windows,

indicate:

Window Code:

Lamp Types:

Fixture Types:

Curtains = C Shades = S No Shading = NS

Incandescent = I Fluorescent = F Sodium Vapor = SV Mercury Vapor = MV Metal Halide = MH Other--Describe

LOCATI	ON	PH
BLDG.	NO	7-60

4.2 LIGHTIN	<u>G (continue</u>	d)				
4.2.2 Exterio	r Lighting					
ACTUAL NO. OF FIXTURES	TYPE OF FIXTURE	NO. OF FIXTURES IN USE	WATTS/ FIXTURE	TOTAL WATTS	CONTROL TYPE*	<u>REMARKS</u>
		·	·	·		
	·					1
* M = Manual	T = Time	r P = Phot	cocell	Enter s	chedule un	der Remarks.
CALCULATIONS				·		
WATTS O	F INTERIOR	LIGHTING				•
Ac	tual at tim	e of survey		· .	·	
То	tal install	ed				
WATTS O	F EXTERIOR	LIGHTING				
Ac	tual on at	time of sur	vey			
To	tal install	ed				

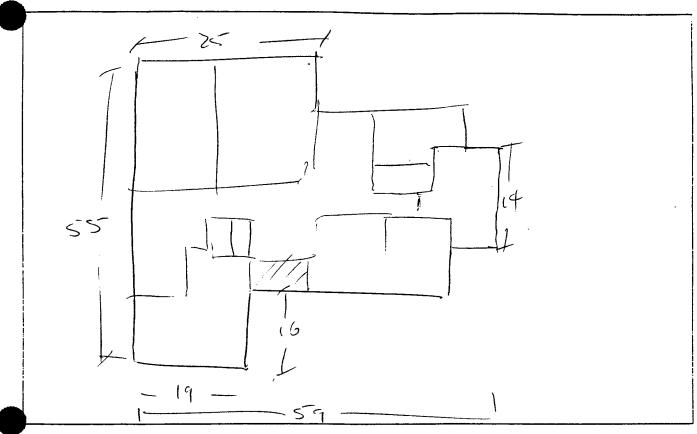
LOCATI	ON	PIR	
BLDG.	NO.	T-6	

4.3.1	CRITICAL LOAD (Comput	er, communications/	
	Describe:		
•			
			-
4.3.2	RECEPTACLES IN USE	80 PERCENT	
4.3.3	SMALL APPLIANCES IN U	USE (ENTER COUNT)	
	Water Cooler		
	Vending Machine		
	Space Heater		
	Coffee Pot		
	TV		
	XEROX		
	Other:		
	TV	and the same and t	
	M-WAUE	•	
	M-witur		
			·

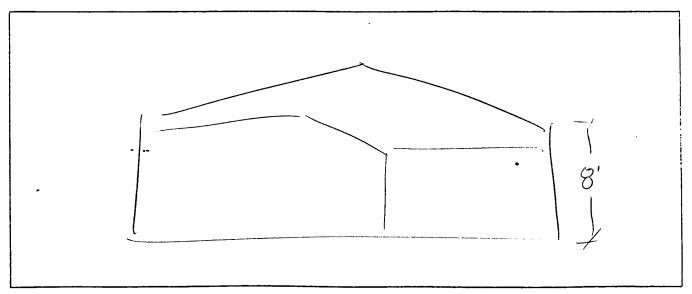
.1 ARCHITECTURE - MISCELLANEOUS	
OCATION THE SURVEYED BY BIT/RU	B DATE (ZZ 92
SURVEYED BY BITTELS ILDING NUMBER P-46 FUNCTION/USE FORMATION SOURCE (DWG. NO./PERSON) SURVEYED BY BITTELS FUNCTION/USE FORMATION SOURCE (DWG. NO./PERSON)	
Tomorrow ask 47/16/167 17	SUSING
FORMATION SOURCE (DWG. NO./PERSON)	
NERAL BUILDING DATA	
BUILDING AGE: UFW YEARS	
DUPLICATE BUILDING NOS:	
	TOTAL:
SIMILAR BUILDING NOS: 54	TOTAL:
BUILD DANG GOOGLOOMS	
BUILDING OCCUPANCY: CONTINUOUS (24 HRS/DAY) Indicate (number and) duration of occupants each day	NO. OF OCCUPANTS
M	
T	
TYARIES	
F	
S	
S 0 2 4 6 8 10 12 14 16	18 20 22 24
MISCELLANEOUS EQUIPMENT:	
· ^	
ADDITIONAL COMMENTS, CRITICAL LOADS: \(\mathcal{D} \langle \langle \)	
CRAWL SPACE: VENTILATED EXHAUSTED	
ATTIC: VENTILATED EXHAUSTED	

BUILDING FLOOR PLAN AND ELEVATION: SKETCHES 2.2

FLOOR PLAN (Show dimensions and zones)



SOUTH ELEVATION (Show floor to ceiling elevations)



BUILDING FLOOR PLAN AND ELEVATION SKETCHES

LOCATION THE

	REMARKS															CASEMENT LOUVERED FIXED GLASS
INFILTRATION	CRACK		7.0	20	10 TO	8	28	j h							WINDOW TYPES:	4 - CA 5 - LO 6 - FI
NI	FIT		,)]					-	?						MINDO	- DOUBLE HUNG - SINGLE HUNG - SLIDING
	N/S	2													į	1 - DOU 2 - SIN 3 - SLI
TYPE	FRAME**	\\ \times	X	\leq	\leq	\leq	2	N								, EN
*	TRPL												U-VALUE	•	**** 151811.117	E - AWNING F - SOLAR SCREEN G - OVERHANG OTHER - SPECIFY
GLAZING*	18 18												٦	. 0	SI/***	- AWN - SOL/ - OVEF
	TYPE		<u> </u>	-	<u> </u>	-	_							LEGEND	* 1	шг 00
SIZE	L×	, v , x	9xcl	2 ^2	ナット	dxd dxd	4xcl	7						믜	1NG:	- SOLAR FILM - VEN BLIND - STORM WINDOW - DRAPES
	₹												AREA	:	***SHADING:	SOLAR VEN BL STORM DRAPES
	™ MS						_						TOTAL AREA		*	4800 1111
~ 32						,									-	SAK
NUMBER Exposure	SE					2										W - WOOD M - METAL T - METAL/THERMAL BREAK
	w				1							•			**FRAME:	THERM
	뜅														*	1000 IETAL IETAL/
	z	2	٠													111 32-
	TYPE	-														31 NG
	WINDOW DESIG.	4	٥	V	(3	(3	[3	>							*GLAZING:	1 - ORDINARY 2 - 1," PLATE 3 - HEAT ABSORBING 4 - TINTED

	LOCATION THE
. 4 BUILDING ENVELOPE	BLDG. 110. P-46
CONSTRUCTION	
WALL COLOR: D M L	TYPE: F P P COLOR: D M L
MATERIAL THICKNESS (IN.) R VALUE	MATERIAL THICKNESS (IN.) R VALUE
OUTSIDE FILM . 25	OUTSIDE FILM 0.25
	ROOFTILES 0.8
57has :32 Prymoss :62	3L7w000 0.62
("Rigip 4	57ACE 0.61
3"ZATT 11	8"BATT 22
GYPBOARD 56	67 BONTO 0.56
INSIDE FILM .68	INSIDE FILM 75.45
TOTAL 17.43	TOTAL
U-FACTOR OOG AREA	U-FACTOR O.O. AREA
FLOOR	
reunk!	INDER I
FLOOR	DOOR
MATERIAL THICKNESS (IN.) R VALUE	MATERIAL THICKNESS (IN.) R VALUE
MATERIAL THICKNESS (IN.) R VALUE	MATERIAL THICKNESS (IN.) R VALUE
MATERIAL THICKNESS (IN.) R VALUE	MATERIAL THICKNESS (IN.) R VALUE
MATERIAL THICKNESS (IN.) R VALUE	MATERIAL THICKNESS (IN.) R VALUE
MATERIAL THICKNESS (IN.) R VALUE	MATERIAL THICKNESS (IN.) R VALUE
MATERIAL THICKNESS (IN.) R VALUE OUTSIDE FILM	MATERIAL THICKNESS (IN.) R VALUE OUTSIDE FILM
MATERIAL THICKNESS (IN.) R VALUE	MATERIAL THICKNESS (IN.) R VALUE
MATERIAL THICKNESS (IN.) R VALUE OUTSIDE FILM	MATERIAL THICKNESS (IN.) R VALUE OUTSIDE FILM
MATERIAL THICKNESS (IN.) R VALUE OUTSIDE FILM INSIDE FILM	MATERIAL THICKNESS (IN.) R VALUE OUTSIDE FILM INSIDE FILM
MATERIAL THICKNESS (IN.) R VALUE OUTSIDE FILM INSIDE FILM TOTAL	MATERIAL THICKNESS (IN.) R VALUE OUTSIDE FILM INSIDE FILM TOTAL
MATERIAL THICKNESS (IN.) R VALUE OUTSIDE FILM INSIDE FILM TOTAL U-FACTOR AREA	MATERIAL THICKNESS (IN.) R VALUE OUTSIDE FILM INSIDE FILM TOTAL
MATERIAL THICKNESS (IN.) R VALUE OUTSIDE FILM INSIDE FILM TOTAL	MATERIAL THICKNESS (IN.) R VALUE OUTSIDE FILM INSIDE FILM TOTAL

. 1	HEATING	EQUIPMENT

LOCATION THE

Heat Source: Steam Hot Water Boiler Boiler Boiler Boiler Boiler Boiler Steam Hot Water Boiler B	Heat Sup	pplied Steam or Hot	Water Other		
Capacity: <u>MBtu/Hr</u> or	Boiler HP or	Lbs/Hr	Steam or	GPM Hot	· Water
Manufacturer: SHYLER GENERA					
Boiler/Furnace Control: Manual					
Operating Temperature:					PSI
Fuel: Nat. Gas Only Nat. Gas/		Draft	ForcedInduced		
Burner: Mfg. NA			Metering Equipment	: Yes	tlo
Operating Schedule: Weekdays:	From	To	Hr/Day		
24 He Spar Weekdays & Holidays:	From	To	Hr/Day		
Operating Season:	From	Mon/Day,	to	W	ρη/Day
Flue Gas Temperature: VA °F	Receiver Tank Condi	itions: NA	PSIG	<u> NA</u>	°F
If supplied Steam Steam Pressure NA				-	
Insulation: (1) Boiler		(2) Other (Spe	cify)		
Poor Area	F	T2 Poor	Area		
None X Temp.			Temp.		
Pump: No. of PumpsNA	5	V/PH/FLA	AU 1 AU	/ vA	
Mfg	Mode1	40	HP NOT		
HW Pump Starter: HOA Rese	t P/B S/S Push	Button Interl	ocked with Boiler?		No
FOR LARGE BOILERS (over 6,000 MBTUH): Com	bustion Control Mfg.		Model		
Condensate Pumps7Hot Water Pumps: Mfg		Model		HP	
Boiler/Furnace Condition:					
Describe					
			· · · · · · · · · · · · · · · · · · ·		
Occupant Discomfort (Evaluate):					
					
	M				
				HEATING EOUI	
				٠.	-

COMPRESSOR(S)/CHILLER			COOLING TOMER		
Manufacturer	UA	NA_	Gravity	<u>NA</u>	NA
Model No.			Mech. Draft		
Size			Manufacturer		
Refrigerant			Model No.	_	
Motor HP (if available)	·	<u> </u>	Type of Fan		/
Motor Voltage			Fan RPM		Χ
Motor FLA			Fan Motor HP	/.	
Measured Amps	UR	<u>NR</u>	Fan Motor Voltage		<u> </u>
CONDENSED (CONDENSE INC. UNIT	.		Fan Motor FLA		
CONDENSER/CONDENSING UNI	<u>l</u> _		Measured Amps	NA'	NA
Water Cooled			CUZIA CO MATER OMBOS /	If were than one is	
Air Cooled	X		CHILLED WATER PUMPS (operative during nor		
Evaporative	10-0-10		•	mar operation.	VA
Manufacturer	CARRIER		Manufacturer	-:5/7-	ω.(
Model No.	56E16303	<u> </u>	Model No.		
Size	5-10N		Capacity Gals.		_/
Type of Fan	CONDENDER		Head, Ft.		/
Fan Motor HP	208		Motor HP	/	\
Fan Motor Voltage			Motor Voltage		$\overline{}$
Fan Motor FLA	0.9		Motor FLA	NA	NA
Measured Amps	10.5		Measured Amps		٠,٠٥١
CONDENSER WATER PUMPS (A .	e, how many op	erate on normal operation: _)	
Manufacturer	411		<u> </u>		
Model No.					
Capacity, Gals.					
Head, Ft.		NA			
Motor HP				•	
- Motor Voltage					
Motor FLA		·			
Measured Amps	<u>NA</u>		$\overline{\nu}$		
REMARKS:					
					
		 			

<u>D</u>	DOMESTIC HOT WATER HEATING SYSTEM / EQUIPMENT	LOCATION THE
а.	a. Is System Supported from (check one): Central P	Tant One System per Building
b.		20 2°F°F
c.	c. Average Pipe Sizes of All HW Piping and Approximate Run of	
d.	d. Is Piping System Insulated and Condition: 50MF	
e.	e. Is Hot Water Circulated? $\mathcal{N} \mathcal{D}$	
	1) Condition of circulator	Is aquastat provided?
		Is aquastat provided? $\nearrow \nearrow \nearrow$ Aquastat temperature setting $\nearrow \nearrow \nearrow \nearrow$
10 <u>0</u>	1) Condition of circulator	Aquastat temperature setting
<u>DOI</u> -	1) Condition of circulator UR 3) 2) Circulator capacity 4) DOMESTIC HOT WATER HEATING EQUIPMENT (If more than one location)	Aquastat temperature setting
	1) Condition of circulator	Aquastat temperature setting
	1) Condition of circulator	Aquastat temperature setting
a. b.	1) Condition of circulator	Aquastat temperature setting
a. b. c.	1) Condition of circulator NR 3) 2) Circulator capacity NA 4) DOMESTIC HOT WATER HEATING EQUIPMENT (If more than one location a. Location b. Areas Served c. Manufacturer and Model d. Energy (Oil, Gas, Electric, Coal, Etc.)	Aquastat temperature setting
a. b. c. d.	1) Condition of circulator NR 3) 2) Circulator capacity NA 4) DOMESTIC HOT WATER HEATING EQUIPMENT (If more than one location ABINE Areas Served ALC Annufacturer and Model Annufacturer and Model C. Manufacturer and Model Annufacturer and Model C. Energy (0i1, Gas, Electric, Coal, Etc.)	Aquastat temperature setting
a. b. c. d.	1) Condition of circulator	Aquastat temperature setting
a. b. c. d.	1) Condition of circulator NR 3) 2) Circulator capacity NA 4) DOMESTIC HOT WATER HEATING EQUIPMENT (If more than one location a. Location b. Areas Served c. Manufacturer and Model d. Energy (Oil, Gas, Electric, Coal, Etc.) e. Type Heaters & Quantities: 1) Storage	Aquastat temperature setting

MBH INPUT

120

795

120

Heating Capacity

Type Controls (Air, Steam, Electric)

Average Water Maintained Temperature

Temperature Differential (j) - (k)
Is Hot Water Supply Adequate:

When Installed & Condition
Heater Temperature Setting

Insulation Thickness
Insulation Material

CONTROL/MISCELLANEOUS P	ROCESS/SKETCHES		LOCATION THE BLOG. NO. P-46
CONTROL SYSTEM: CONTROLLERS:	ELECTRIC PNEUMATIC ELECTRONIC	OPERATION: MANUAL CONTINUOUS DEMAND	EMCS
MFG	MODEL	LOCATION	
_	D LIST OF PROBLEMS AS REQUIRED): MARKET T-STOTT PARTS REPORTED TO A POWER COMMENTS TO A P	ZUMES UNPSOND	AMMED

3.5

•		.2.1 Interi	or (Light	ing										
BLDG 740		REMARKS	(LIGHTS/SWITCH)												
		WINDOW CODE													
	Ī	m 100	~		╁──	 	-	├		-					4
	FINISH	Z Z L				1	 	†	-	 		+-	+		-
17-1	E	ころししょ	<u>د</u> ی						 		-	1	+	-	-
€	S	1000	<u>- </u>								1	1	-	1	1
LOCATION	COLORS					ļ	<u> </u>								1
9	F		- 6		<u> </u>	 -	-	 		<u> </u>]
		CEIL ING HEIGHT	E	5	6	6						j			
	L	9 3 3	□		0	0	0	6							
		MEASURED ILLUMI- NATION		ہے	4	,					1	1		 	1
		HEAS ILLU VATI	(FC)	JUG	47		\$	Yn Yn							
	\vdash		\neg							 	-	├	 		1
		WATTS PER SQ.FT.	FT2	9.0	13.4	6.0	0.0	0.0		ļ					
	<u> </u>		(W/FT ²)			 	 	Ò		Ĺ		1			
		LIGHTING FLOOR ENERGY SERVED	(KWH/YR) (FT ²)	23	0.5)	551	15,0	200							
		SK.	3	1							 		┼		
		GHT1	Ĭ	1/2	2	102	~	75		<u> </u>					
	<u> </u>		픡		- 2	12	00								
		DAYS/ YEAR ON		$J_{\mathcal{N}}$	1	1,0	(,0	0'		·					
		A H O		25	73	38,	K,	2							
		RS/											†	 	1
		HOURS/ DAY ON	- 1	4	4	7	7	7				İ			
		-i N	\forall			-							-	ļ	
		TOTAL		(20)	09	140	3	(20							
	├─	- S													
		MBE. OF TUR!		-		_	_	_					ĺ		
•		LAMPS NUMBER PER OF FIXTURE FIXTURES AND WATTS/						:							
		4PS TURE TTS/	뿔.	13	10	/81	100	/3		$\overline{}$					
		A Y X X		74	7	2	7	1/4							
			T	2	[0]	7	0		\rightarrow						
			1	70	2/20	NX NX	1/60	4/60					<u> </u> 		اج ی
		JR.	\top					47							DIN
		FIXTURE TYPE		2	2	\sim	\sim	2	- 1						TOTAL BUILDING LIGHTING ENERGY
힑		L.	+-												AL E
LIGHTING		TASK CODE		10.01 20.03	n	0	-	ا							70T L.i.G
		⊬ŏ 	<u> </u> :	7 04	1,,			5							į
							1	_	- 1		- 1			ı i	

LEGEND: LIGHTING

Window Code: Incandescent = I Fluorescent = F Sodium Vapor = SV Mercury Vapor = MV Metal Halide = MH Other--Describe Lamp Types: Recessed = R
Suspended = S
Ventilated = V
Pole Mounted = PM
Other--Describe

If there are windows, indicate: Curtains = C Shades = S No Shading = NS

1 = Corridors
2 = Kitchens
3 = Dining
4 = Offices-general
5 = Offices-bookkeeping 10 = Supply rooms
6 = Exterior
7 = Laundry
8 = Toilets
9 = Sleeping quarters
9 = Sleeping quarters
12 = Supply rooms
13 = Retail store
(Px, commissary)
9 = Sleeping quarters
14 = Offices-bookkeeping 10 = Supply rooms
15 = Offices-bookkeeping 10 = Supply rooms
16 = Exterior

Tasks Code:

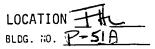
LIGHTING 4.2.1

Fixture Types:

LOCATION _	FHL
BLDG. NO.	P-46

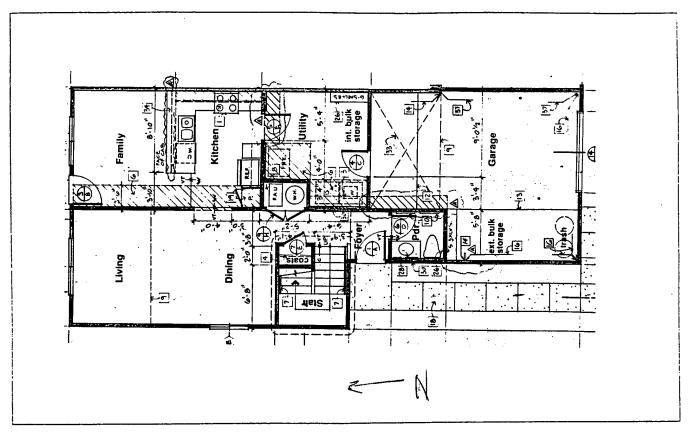
			2 V V			
	·				-	
						•
2 RECE	EPTACLES IN USE		90	PERCENT		
•						
3 SMAL	LL APPLIANCES IN U	JSE (ENT	rer coun	Γ)		
	Water Cooler			•		
						
	Vending Machine			_		
	Vending Machine Space Heater			_		
	Vending Machine Space Heater Coffee Pot			- -		
	Space Heater			- - 		
	Space Heater Coffee Pot			- - 		

JPLICAT	TE BUI	LDING	NOS:	<u>-</u>																TOTA	AL:		
IMILAR	BUIL	ING I	۰. ۱03: آ			7707					4	11	}		<u></u> ,								
																				TOTA	AL:		2
UILDINO Indi						CON ion o					-				-		NO	. OF	000	CUPAI	NTS		3
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T	_ _				\dashv		-	/ .												<u> </u>			
<u> </u>		-				-	1)	IA	12	15	5		-										
	_	-			\dashv	-				<u> </u>						1							
F S		-		_			-			_									-		-		
5	-										_								_		<u> </u>		
٥	!_	2	1	4	<u> </u>	1	8	1	0	11	2	1	4	1	6	1	18	1 -	20	!	22	20	4
ISCELL/	ANEOU	S EQU	I PMEN	T: _																			



FLOOR PLAN (Show dimensions and zones)

`2.2



SOUTH ELEVATION (Show floor to ceiling elevations)



BUILDING FLOOR PLAN AND ELEVATION SKETCHES

LOCATION FHC BLDG. NO. FSIA

INFILTRATION	W/S FIT CRACK REMARKS YES I NO LOOSE AUG LENGTH *** ***	100 20	D. J. L.M									WINDOW TYPES:	1 - DOUBLE HUNG 4 - CASEMENT 2 - SINGLE HUNG 5 - LOUVERED 3 - SLIDING 6 - FIXED GLASS
GLAZING* TVPF	TYPE DBL TRPL OF TYPE FRAME**	Σ	2							U-VALUE	. O N	****VISIBILITY:	E - AWNING F - SOLAR SCREEN G - OVERHANG OTHER - SPECIFY
\$17F		6,41	x / xd							TOTAL AREA 725	1 6 6	***SHADING:	A - SOLAR FILM B - VEN BLIND C - STORM WINDOW D - DRAPES
NUMBER FXP0SIIRF		<i>></i>										**FRAME:	W - WOOD M - METAL T - METAL/THERMAL BREAK
	WINDOW TYPE DESIG.	W	, W									*GLAZING:	1 - ORDINARY 2 - 1 ₄ " PLATE 3 - HEAT ABSORBING 4 - TINTED

BUILDING ENVELOPE				•	BLDG. :	ON <u>FH</u> 0. <u>D-S</u>
CONSTRUCTION					- [- · -
WALL	c	COLOR: D		ROOF (INCL. CLG.)	TYPE: F COLOR: D	P M
MATERIAL	THICKN	NESS (IN.)	R VALUE	MATERIAL	THICKNESS (IN.)	R VALUE
OUTSIDE FILM			.75	OUTSIDE FILM	0.	0.2
Muco	·		.32	Farrages		0.8
PLYWOD			.62	PLYWOOD	•	0.6
MAGIN			4	SPIZE		0.6
3" BATT			11	3" BATT		22
901CE 145			.56	GY? BOARD		0.50
INSIDE FILM			,68	INSIDE FILM		0.6
						1
		TOTAL	17.43		TOTAL	25.4
	06	TOTAL	17.43	U-FACTOR O		25.4
FLOOR		AREA		DOOR	AREA	
FLOOR MATERIAL			R VALUE	DOOR MATERIAL		R VALUE
FLOOR		AREA		DOOR	AREA	R VALUE
FLOOR MATERIAL		AREA		DOOR MATERIAL	AREA	
FLOOR MATERIAL		AREA		DOOR MATERIAL	AREA	
FLOOR MATERIAL		AREA		DOOR MATERIAL	AREA	
FLOOR MATERIAL		AREA		DOOR MATERIAL	AREA	
FLOOR MATERIAL		AREA		DOOR MATERIAL	AREA	
FLOOR MATERIAL		AREA		DOOR MATERIAL	AREA	
FLOOR MATERIAL OUTSIDE FILM		AREA	R VALUE	DOOR MATERIAL OUTSIDE FILM	AREA	

'3.1 HEATING EQUIPMENT

Heat Source: Furnace Steam Hot Water Heat Supplement Supplement Supplement Supplement Heat Supplement Supplement Heat Hea	oplied Steam or Hot WaterOther kternal Boiler Plant)	
Capacity: 8 MBtu/Hr or Boiler HP or	Lbs/Hr Steam orGPM Hot Wat	ter
Manufacturer: SHITTER GEHERAL	Model No.: GUAOSOAO12AFL	
Boiler/Furnace Control: Manual Time Clock	Demand EMCS 02 Tr	^im
Operating Temperature:°F	Operating Pressure:	'S I
Fuel: Nat. Gas Only Nat. Gas/	Draft: Forced Induced	
Burner: Mfg. Model No.	Metering Equipment: Yes	No
Operating Schedule: Weekdays: From	To Hr/Day	
24He Weekdays & Holidays: From	FoHr/Day	
	Mon/Day, to Mon/D	
Flue Gas Temperature:°F Receiver Tank Cond	itions: NAPSIG NA	_°F
If supplied Steam Steam Pressure A PSI Hot Water Supplier Supplier PSI Hot Water Supplier Sup	ly Temp. NA °F Hot Water Return Temp. 11A	_°F
Insulation: (1) Boiler	(2) Other (Specify) NA	
Poor Area NA	FT ² Poor Area N'A F	 :T2
None Temp.	°F None Temp. NA	_°F
Pump: No. of Pumps		
MfgModel		
HW Pump Starter: HOA Reset P/B S/S Push	•	No
FOR LARGE BOILERS (over 6,000 MBTUH): Combustion Control Mfg.	Mode1	
Condensate Pumps/Hot Water Pumps: Mfg	Mode1	
Boiler/Furnace Condition:		
Describe		_
Occupant Discomfort (Evaluate):		_
		_

3.2 COOLING EQUIPMENT

OMPRESSOR(S)/CHILLER			COOLING TOWER			^
Manufacturer	44	44_	Gravity		_ LIVI	<u> </u>
Model No.	44	_AW_	Mech. Draft		NA.	<u> </u>
Size	-NA	_NA_	Manufacturer		-AG	/ik
Refrigerant	AU	AU_	Model No.		-Ay	AU.
Motor HP (if available)	NA	<u> </u>	Type of Fan		44	-UA-
Motor Voltage	NA	<u>NA</u>	Fan RPM	_	-AU	
Motor FLA	AU	<u> </u>	Fan Motor HP	_	_NA_	- PA
Measured Amps	NA	NA	Fan Motor Volt	age _	NA_	<u>~~~</u>
			Fan Motor FLA	_	-AU	NB_
CONDENSER/CONDENSING UNIT	•		Measured Amps		NA_	<u>NA</u>
Water Cooled			CHILLED WATER PU	IMPS (If mo	re than one,	how many
Air Cooled	X		operative duri			
Evaporative	20.2.6		Manufacturer		1102	11Δ
Manufacturer	CARRIER	240	Model No.	-	NA	116
Model No.	3864030 5 TOL	<u> </u>	Capacity Gals.	-	112	41
Size			Head, Ft.	· _	20	1/1
Type of Fan	Costoriusta		Motor HP	-	40	1/1
Fan Motor HP	208		Motor Voltage	•	νΔ	1/4
Fan Motor Voltage			- Motor FLA	•	n I A	N.A.
Fan Motor FLA	0.9		- Measured Amps		NA	AN
Measured Amps			- Heasured Amps			
CONDENSER WATER PUMPS (If more than o	ne, how many o	operate on normal operat	ion:)	
Manufacturer	NA_		_ NA			
Model No.			- —			
Capacity, Gals.			_/			
Head, Ft.		_ \/				
Motor HP		. —		•		
. Motor Voltage			\			
Motor FLA		/	_ \			
Measured Amps	NA					
REMARKS:						
						" " . "

D	OMESTIC HOT WATER HEATING SYSTEM/EQUIPM	ENT	BLOG. NO. PSIA
a.	. Is System Supported from (check one):	Central Plant Several Small Systems per	One System per Building
b.	Domestic Hot Water Temperatures provide		åŁ .
c.	Average Pipe Sizes of All HW Piping and	Approximate Run of Each: 25 PT	
d.	Is Piping System Insulated and Condition	1: 165 /PARTIN	Ų
e.	Is Hot Water Circulated? \(\mathcal{D} \)		
	1) Condition of circulator	3) Is aquastat pr	ovided? NA
	2) Circulator capacity		rature setting NA
10 <u>0</u>	MESTIC HOT WATER HEATING EQUIPMENT (If mo		
a.	Location		
ь.	Areas Served	<i>h</i> ,	
c.	Manufacturer and Model	DATE 36711	
d.	Energy (Oil, Gas, Electric, Coal, Etc.)	1/0 1-	
e.	Type Heaters & Quantities:	The state of the s	
	1) Storage	λιχ	
	2) Instantaneous	NA	
	3) Semi-Instantaneous	AU	
f.	Heater Size and Storage Capacity	40 GA.	
	Heating Capacity	3ct MBIT WART	
h.		- FLECTRIC	
i.	When Installed & Condition	NEW	
j.	Heater Temperature Setting	120	
	Average Water Maintained Temperature	120	
	Temperature Differential (j) - (k)	\mathcal{O}	
	Is Hot Water Supply Adequate:	465	
	Insulation Thickness Insulation Material	N'T Type	

3.4

CONTROL/MISCELLANEOUS PROCESS/SKETCH	i <u>es</u>		LOCATION FILL BLDG. NO. P-STA
CONTROL SYSTEM: CONTROLLERS: SELECTRIC ELECTRONIC	PNEUMATIC	OPERATION: MANUAL CONTINUOUS DEMAND	TIME CLOCK EMCS
MFG GRRIER	MODEL	LOCATION	
CONDITION (GIVE DETAILED LIST OF PRO		POLER OUTAGES	

3.5

•

LIGHTING

	REMARKS	(LIGHTS/SWITCH)									-		
	WINDOW CODE												
Ī	r 100	¥											
FINISH	3477												
E	OM 1												
RS		×											
COLORS													
F		2 9								 			
	CEILING HEIGHT	(FT)	6	ک	6	4	4				;		
	MEASURED ILLUMI- NATION	(FC)	とれ	とこ	12 A	七三	<u>ئے</u>						
	WATTS PER SQ.FT.	(W/FT ²)		0.4	1500.9	5.4	9.0						·
	FLOOR AREA SERVED		200	p.0 as1	152	25	82						
	LIGHTING FLOOR AREA ENERGY SERVED	(KWH/YR) (FT ²)	175	18		8 7	175						
	DAYS/ YEAR ON		SOR	265	765	755	36.		·				
	HOURS/ DAY ON		4	4	7	7	4						
	TOTAL WATTS		(22)	60	01 1	60	071						
	NUMBER OF FIXTURES						— :					-	
	LAMPS NUMBER PER OF FIXTURE FIXTURES AND	FIXTURE	1/5	CE	200	-/	100/						
	LAMP TYPE AND WATTS		10	(4)3	by/	178	4		`				NG RGY
	FIXTURE TYPE		2	2	3	1,	V	•					TOTAL BUILDING LIGHTING ENERGY
	TASK CODE		N.COA	'n	2		9						101/ LiGH

LEGEND LIGHTING

> Recessed = R Suspended * S Ventilated = V Pole Mounted = PM Other--Describe Fixture Types:

If there are windows, indicate: Curtains = C Shades = S No Shading = NS Window Code: Incandescent = I Fluorescent = F Sodium Vapor = SV Mercury Vapor = MV Metal Halide = MH Lamp Types:

l = Corridors 6 = Offices-drafting
2 = Kitchens 7 = Laundry
3 = Dining 8 = Toilets
4 = Offices-general 9 = Sleeping quarters
5 = Offices-bookkeeping 10 = Supply rooms Tasks Code:

12 = Storage room 13 = Retail store (PX, commissary) Other (describe on audit form)

LIGHTING 4.2.1

LOCAT	ION '	FIR.	
BLDG.	NO	8-514	

4.2 <u>LIGHTI</u>	<u>NG (</u> continue	d)				
4.2.2 <u>Exteri</u>	or Lighting					
ACTUAL NO. OF FIXTURES	TYPE OF FIXTURE	NO. OF FIXTURES IN USE	WATTS/ FIXTURE	WATTS	CONTROL TYPE*	REMARKS
5	<u></u>		50	300.	M	
		-		•	-	
*1						
						
		<u> </u>				
* M = Manua	T = Time	r P = Phot	tocell	Enter s	chedule und	der Remarks.
CALCULATIONS	-	•				
WATTS O	F INTERIOR	LIGHTING	· .			•
Ac	tual at tim	e of survey	•	· · · · · · · · · · · · · · · · · · ·	•	
To	tal install	ed				
WATTS O	F EXTERIOR	LIGHTING	,			÷
Ac	tual on at	time of sur	vey .			
	tal install				•	
•	•				-	

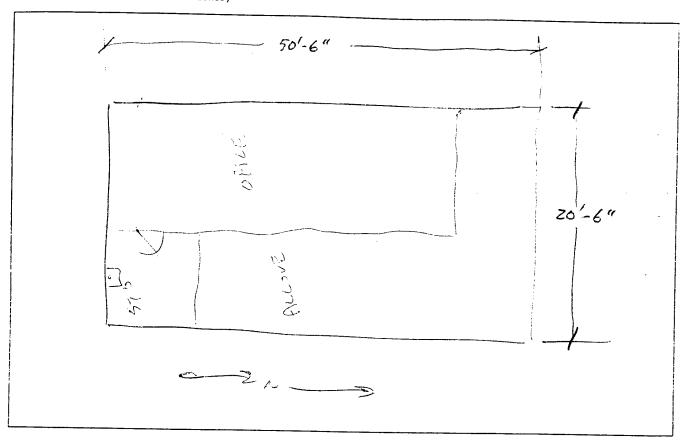
LOCATION THE BLDG. NO. P-SIA

4. <u>3 PC</u>	OWER USAGE SURVEÝ			
4.3.1	CRITICAL LOAD (Compute	r, Communications)		
	Describe: Describe	ONE		
,				
4.3.2	RECEPTACLES IN USE	90 PERCENT		
4.3.3	SMALL APPLIANCES IN U	SE (ENTER COUNT)		
	Water Cooler			
	Vending Machine	·		
	Space Heater			
	Coffee Pot	χ		
	TV	X		
	XEROX	·		
	Other:			
	Ragica			
	• ••		•	
•				
•				

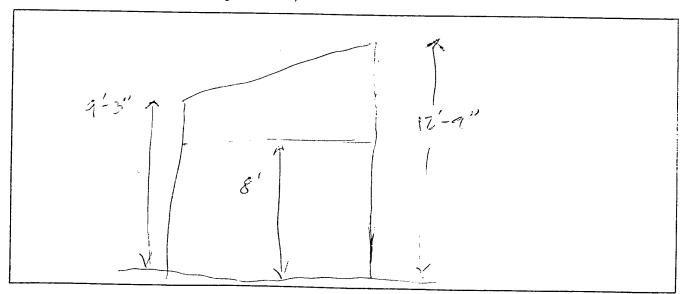
	THE - MISCELLANEOUS	SURVEYED BY	RIB		DATE	007 92
TERTAL NUMBER	FHL 5-79	EUNCTION/USE	Post			
ITDING NOWREK			(0)	<u> </u>	(<u>\</u>	
FORMATION SOURC	E (DWG. NO./PERSON)	ISUAL				
NERAL BUILDING	NATA					
BUILDING AGE:	YEARS					
DUPLICATE BUI	LDING NOS:					
					TOTAL:	
SIMILAR BUILD	ING NOS:					
		H. W			TOTAL:	
BUILDING OCCU	PANCY: CONTINUO	US (24 HRS/DAY)		NO	. OF OCCUPANTS_	7
Indicate	(number and) duration of occ	upants each day		•		
м						
T						
W						
T						
F -						
s			*			
s						
0	2 4 6 8	10 12	14	16 18	20 22	24
MISCELLANEOUS	EQUIPMENT:					
						
		 				· · · · · · · · · · · · · · · · · · ·
ADDITIONAL CO	MMENTS, CRITICAL LOADS:	***			·····	
						
			5			
CRAWL SPACE:	VENTILATED EXHAUST	ED DAIH	た			
ATTIC:	VENTILATED EXHAUST					
	N)	PD				

2.2 BUILDING FLOOR PLAN AND ELEVATION SKETCHES

FLOOR PLAN (Show dimensions and zones)



SOUTH ELEVATION (Show floor to ceiling elevations)



BUILDING FLOOR PLAN AND ELEVATION SKETCHES

2.3	ARCH 11	TECTURAL	WINDOWS	&	DOORS

LOCATION FHC
BLOG. NO. 79

INFILTRATION	W/S FIT CRACK REMARKS VFS NO 100SF 411G 1 FNGTH *** ****											WINDOW TYPES:	1 - DOUBLE HUNG 4 - CASEMENT 2 - SINGLE HUNG 5 - LOUVERED 3 - SLIDING 6 - FIXED GLASS
TYPE	OF FRAME**	3										ا. ي	Y EN
	TRPL									U-VALUE		****VISIBILITY:	E - AWNING F - SOLAR SCREEN G - OVERHANG OTHER - SPECIFY
GLAZING*	180	3								u-	N D :	\$I^***	- AWN - SOL - OVE THER -
5	TYPE	_									LEGEN	7	
SIZE	L×H	か ル ル			:						L E	JING:	A - SOLAR FILM B - VEN BLIND C - STORM WINDOW D - DRAPES
	3						_			AREA		***SHADING:	SOLAR VEN BI STORM DRAPES
	3	٦								 TOTAL AREA		*	A
	MS			:				 		_		Ī	¥
NUMBER EXPOSURE	S	~	 					 					W - WOOD M - METAL T - METAL/THERMAL BREAK
EXP	SE											**FRAME:	IERMAL
	ш	7						 				**F	D AL AL/TH
	发							 					- WOO
	z												
	TYPE												RBING
D00R/	WINDOW DESIG.	_										*GLAZING:	1 - ORDINARY 2 - 1," PLATE 3 - HEAT ABSORBING 4 - TINTED

BUILDING ENVELOPE				טבטט.	10N PK
CONSTRUCTION				,	
WALL	COLOR: D		ROOF (INCL. CLG.)	TYPE: f (COLOR: D (P
MATERIAL	THICKNESS (IN.)	R VALUE	MATERIAL	THICKNESS (IN.)	
OUTSIDE FILM			OUTSIDE FILM		
Collifort			THADECK		
CORREGANTE INCTRE SUDIE	i/8 ''		RAIL SPACE		
STUP	7"		124		
Meist Brack	_		STUP		
5/3 AV7	5/8"		GIP CELLING		
INSIDE FILM			INSIDE FILM		
	TOTAL			TOTAL	
	L				
I-FACTOR	AREA		U-FACTOR DOOR	AREA	
LOOR		D. WALLIE	DOOR		
LOOR	THICKNESS (IN.)	R VALUE		AREA THICKNESS (IN.)	R VALUE
LOOR		R VALUE	DOOR		R VALUE
LOOR		R VALUE	DOOR MATERIAL		R VALUE
LOOR		R VALUE	DOOR MATERIAL		R VALUE
LOOR		R VALUE	DOOR MATERIAL		R VALUE
LOOR		R VALUE	DOOR MATERIAL		R VALUE
LOOR MATERIAL OUTSIDE FILM		R VALUE	DOOR MATERIAL OUTSIDE FILM		R VALUE
LOOR	THICKNESS (IN.)	R VALUE	DOOR MATERIAL	THICKNESS (IN.)	R VALUE
LOOR MATERIAL OUTSIDE FILM INSIDE FILM	THICKNESS (IN.)	R VALUE	DOOR MATERIAL OUTSIDE FILM INSIDE FILM	THICKNESS (IN.)	R VALUE
LOOR MATERIAL OUTSIDE FILM	THICKNESS (IN.)	R VALUE	DOOR MATERIAL OUTSIDE FILM	THICKNESS (IN.)	R VALUE

LOCATION	FIR
BLDG. HO.	79

3.1 HEATING EQUIPMENT

Heat Source: Furnace Steam Hot Water Boiler Boiler Steam Steam Boiler Steam Heat Supplemp (Ex	でなく(らん-c) plied Steam or Hot ternal Boiler Plan	Water 0ther_t)	ELECTRIC MESSI	
Capacity:Btu/Hr or	Boiler HP or	Lbs/Hr	Steam or	GPM Hot Water
Manufacturer:		Model No.:		
Boiler/Furnace Control: Manual	Time Clock	Demand	EMCS	0 ₂ Trim
Operating Temperature:	°F	Operating Pressu	re:	PSI
Fuel: Nat. Gas Only Nat. Gas/ Nat. Gas/ Other (Specify) 上近い	1 - 2 × 3	Draft:	Forced Induced	
Burner: Mfg	Model No		Metering Equipment	: Yes No
Operating Schedule: Weekdays:	From	То	Hr/Day	
Weekdays & Holidays:	From	То	Hr/Day	
Operating Season:	From	Mon/Day	, to	Mon/Day
Flue Gas Temperature:°F	Receiver Tank Condi	itions:	PS.IG	°F
If supplied Steam Steam Pressure	_PSI Hot Water Suppl	y Temp°	F Høt Water Return	n Temp°F
Insulation: (1) Boiler		(2) Other (Sp	ecify)	
Poor Area			Area	
None Temp.		_°F None	Temp.	^°F
Pump: No. of Pumps		V/PH/FLA		_/
Mfg	Mode1		HP	RPM
HW Pump Starter: HOA Rese	et P/B S/S Push	Button Inter	locked with Boiler?	Yes No
FOR LARGE BOILERS (over 6,000 MBTUH): Con	mbustion Control Mfg.		Model	
Condensate Pumps/Hot Water Pumps: Mfg.		Model	·	HP
Boiler/Furnace Condition:				
Describe				
Occupant Discomfort (Evaluate):	A			
· 				
· · · · · · · · · · · · · · · · · · ·				

3.2 **COOLING EQUIPMENT**

COMPRESSOR(S)/CHILLER	COOLING TOMER	
Manufacturer WA	Gravity	NA
Model No.		
Size	Manufacturer	
Refrigerant	Model No.	
Motor HP (if available)	Type of Fan	— <i> </i> —
Motor Voltage	Fan RPM	
Motor FLA	Fan Motor HP	/
Measured Amps	Fan Motor Voltage	
CONDENSER/CONDENSING UNIT	Fan Motor FLA	
Water Cooled	Measured Amps	
Air Cooled	CHILLED WATER PUMPS (If more the	nan one how many
Evaporative	operative during normal opera	=
Manufacturer	Manufacturer	
Model No.	Model No.	
Size	Capacity Gals.	
Type of Fan	Head Ft.	
Fan Motor HP	Motor HP	
Fan Motor Voltage	Motor Voltage	
Fan Motor FLA	Motor FLA	$\overline{}$
Measured Amps	Measured Amps	NA
CONDENSER WATER PUMPS (If more than one, how many	operate on normal operation:)	
Manufacturer		
Model No.		
Capacity, Gals.		
Head, Ft.		
Motor HP		
Motor Voltage		
Motor FLA	— — — — — — — — — — — — — — — — — — —	
Measured Amps		
REMARKS:	TED VILLDOM GUITS	
1 - W		
1- DAK	N	

DC	NECTIC HOT HATER HEATING OVER		LOCATION 17
DC	MESTIC HOT WATER HEATING SYSTEM / EQUIPMENT		BEDG. NO
a.	Is System Supported from (check one):	Central Plant One Sv	stem per Building NA
	NA	Several Small Systems per Building	
ь.	•		
		°F	°F
с.	Average Pipe Sizes of All HW Piping and App	proximate Run of Each:	
			/
d.	Is Piping System Insulated and Condition: _		/
e.	Is Hot Water Circulated?		
	1) Condition of circulator	3) Is aquastat provided?	
	2) Circulator capacity	4) Aquastat temperature sett	ing
DOM	ESTIC HOT WATER HEATING EQUIPMENT (If more t	,	
		, and seeing interpretation	
a.	Location Areas Served		
b. с.	Manufacturer and Model		
d.			
e.	<pre>Energy (0il, Gas, Electric, Coal, Etc.)</pre> Type Heaters & Quantities:		
٠.	1) Storage		
	2) Instantaneous		
	3) Semi-Instantaneous		
f.	Heater Size and Storage Capacity		
	Heating Capacity		
	Type Controls (Air, Steam, Electric)	/	
	When Installed & Condition		
	Heater Temperature Setting		
	Average Water Maintained Temperature		
	Temperature Differential (j) - (k)		
	Is Hot Water Supply Adequate:		
n.	Insulation Thickness Insulation Material	Туре	
	NA		WA

3.4

BLDG. 79

7 [· · · · ·	T -	T		1		T-	1	1	т	γ	
	REMARKS	(LIGHTS/SWITCH)												
	WINDOW													
Ī	_ LOO	×			1	†	 		†	 	†		 	
FINISH	347									1		 		1
=		• Z U												1 1
8	00			<u> </u>	<u> </u>									
COLORS						ļ]
٦		· Z U			<u> </u>	<u> </u>	<u> </u>	 		ļ				
	MEASURED ILLUMI - CEILING NATION HEIGHT	(FT)	7F	%-	7),									
	MEASURED ILLUMI- NATION	(FC)	50/20			>								
	WATTS PER SQ.FT.	(W/FT ²)	۲.	6.7	0.5	.88								
	FLOOR AREA SERVED	(FT ²)	100	et P	400	000								
	LIGHTING FLOOR AREA ENERGY SERVED	(KWH/YR) (FT ²) (W/FT ²)	260 145' 100	ce 1, 281, 1 035	260 437 400 05	200 728								
	DAYS/ YEAR ON		097.	092	092	092								
	HOURS/ DAY ON		æ	9	8	20								
	TOTAL		2	560	210	22								
	NUMBER OF FIXTURES	·		3	٤.	1.0	:							
	LAMPS PER FIXTURE AND	WATTS/ FIXTURE	1/2/	1/2	V	1/2								
	LAMP TYPE AND	2	F34	13	(3)	(-34)		,						RGY
	FIXTURE		N	Ü	7	15,		•						TOTAL BUILDING LIGHTING ENERGY
	TASK		21	9	5	Pherit								LIGH

LEGEND LIGHTING

Lamp Types:

Fixture Types:

Tasks Code:

1 = Corridors 6 = Offices-drafting 2 = Kitchens 7 = Laundry 3 = Dining 8 = Toilets 4 = Offices-general 9 = Sleeping quarters 5 = Offices-bookkeeping 10 = Supply rooms (ledgers only) 11 = Repair shops If there are windows, Curtains = C Shades = S No Shading = NS Window Code: indicate: Incandescent = I Fluorescent = F Sodium Vapor = SV Mercury Vapor = MV Metal Halide = MH Other--Describe

12 = Storage room
13 = Retail store
 (PX, commissary)
Other (describe on
audit form)
E = Exterior

LIGHTING 4.2.1

Recessed = R Suspended = S Ventilated = V Pole Mounted = PM Other--Describe

LIGHTING

LOCATI	ON _	トけし
BLDG.	NO.	79

	Describe: 1 COMPUTER	
-		THE STATE OF THE S
4.3.2	RECEPTACLES IN USE	
4.3.3	SMALL APPLIANCES IN USE (ENTER COUNT) Water Cooler Vending Machine	
	Space Heater ZX 3Kw/15AMP/738V/16/	
	Coffee Pot	
	TVXEROX	
	Other:	
	8FFAG	
	2x CASSABLANTIA FORMS	
	IX 2 TOH WESTILM HOUSE WILLOW ALC UNIT	
	1x 2 Tors DAKIN "	

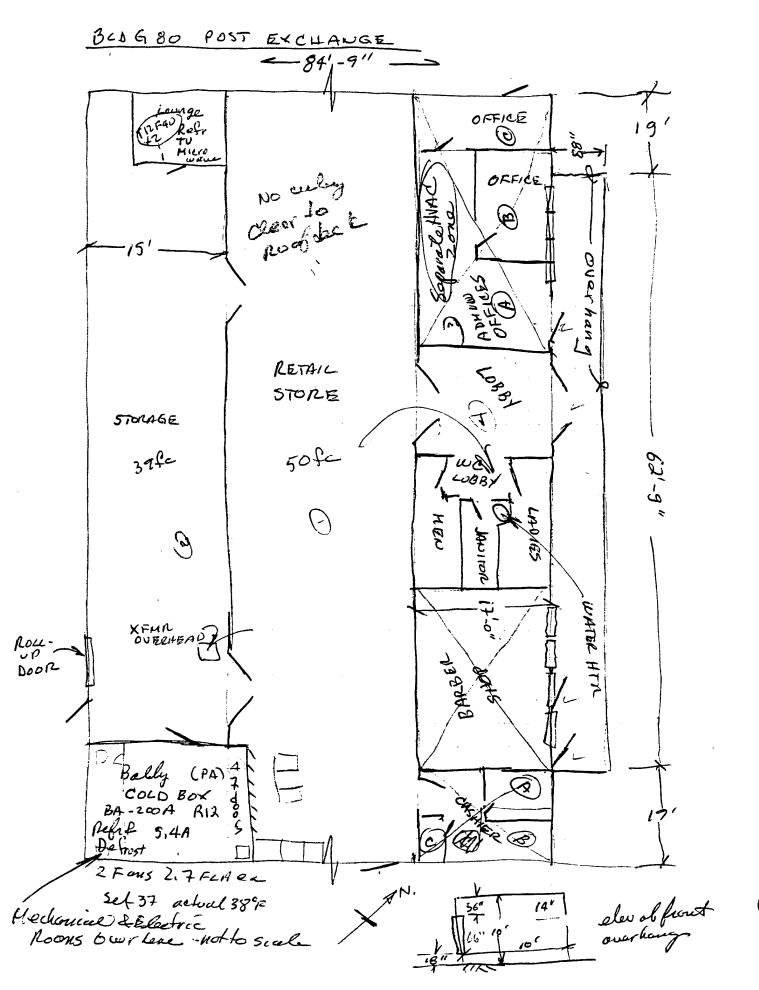
			DATA								•												
BUIL	DING	AGE:				··	YEA	RS ,	p .	w	1,5	ل ـ											
DUPL	ICATE	BUII	DING	NOS	S: _											-				-	TOTAL		
SIMI	ΔRR	וווו ח.	ING N	ins -							_										TOTAL	•	
			ing ,																	7	TOTAL	:	
BUIL	DING	occui	PANCY	':			C0	NTINU	zuot	(24 H	IRS/DA	(Y <i>F</i>	\neg		źш	110.	معم	, NC). OF	occi	IPANT	5	
	Indic	ate ((numb	er a	ınd)	dura	tion	of o	ccupa	ints e	ach d	day	•••••	1	Es fo	on	5 1	5 5	j	w V d	lay	-	
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	<u> </u>							-	- -	-		-									_		-
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:	5								+		1-									-			-
	0		2		4		6	8		10]	12	1	4	1	6	1	8	2	0	22		24
MISC	ELLAN	EOUS	EQUI	PMEN	IT: _																		
											·····	-											
4001																							-
ADUI	ITONA	L CUI	MENI	5, 0	KIII	CAL	LOAD2	:		·													
•																							
																			····				

LOCATION	THC.
BLDG. #0	** B8

2.3	,	BUILDING	FLOOR	PLAN	AND	ELEVATION'	SKETCHES

FLOOR PLAN (Show dimensions and zones)	
	See afacked sketch
SOUTH ELEVATION (Show floor to ceilin	g elevations)
	Poll-of

BUILDING FLOOR PLAN AND ELEVATION SKETCHES



LOCATION FHL
BLDG. ::0. 80

SIZE GLAZING* TYPE INFILTRATION	L x H TYPE DBL TRPL	KED	N H 78	F9:	4)z 4 M	(4) H	2 2 2)	24×16 P M	7			30 / 100	U-VALUE WOOF CON HIM)	LEGEND: Acom Doors	L E G E N D : ****VISIBILITY: WINDO
NUMBER EXPOSURE ST	NN M MS	33/2	36.54	197 82	2(454)	(£84£)	4 × (6	1 24×1	1. 18416	2 24 2/6		1 1 1 34×80	TOTAL AREA		**FRAME: ***SHADING:
D008/	TYPE	From T R 8	Miche	210HTS 110	DUBLE 4/6144	ach DOUBLE DOURS	PAINTED 4	1 "	Fixed ws	2	Poct-UP DOCE	Pasonnes. Doors			*GLAZING:

BUILDING ENVELOPE					ON FHL
CONSTRUCTION				BLDG. A	10. 80
WALL ALL] W [L	ROOF (INCL. CLG.)	TYPE: F [COLOR: D [
MATERIAL	THICKNESS (IN.)	R VALUE	MATERIAL	THICKNESS (IN.)	R VALUE
OUTSIDE FILM		0.25	OUTSIDE FILM		6.25
STALLO	3/4"	0.15	B. n. Noox, ~67		0.33:
C.m. v.	6."	1.93	RIGIO INSAL	ン!	12.50
C. m.u.	8"	3.20	METAL DEUL	12"	0.00
INCIDE FILM					
INSIDE FILM		. 68	INSIDE FILM		.92
	TOTAL	6.21		TOTAL	14.00
U-FACTOR O.	AREA		U-FACTOR D. 0	7 AREA	
FLOOR			DOOR		
MATERIAL	THICKNESS (IN.)	R VALUE	MATERIAL	THICKNESS (IN.)	R VALUE
MIIF BCISTUO			OUTSIDE FILM		
	·				
INSIDE FILM			INSIDE FILM		
	TOTAL			TOTAL	
U-FACTOR	AREA		U-FACTOR .	AREA	
BUILDING SKIRTING M	MATERIAL				

LOCATION	FHU
BLDG. NO	80

'3.1 HEATING EQUIPMENT

	Heat Source:
	Furnace Steam Hot Water Heat Supplied Steam or Hot Water Other Boiler Pump (External Roller Plant)
	Boiler — Boiler — Pump — (External Boiler Plant) 253 900 net Rutwg
	Capacity: 29200 Btu/Hr or Boiler HP or Lbs/Hr Steam or GPM Hot Water
	Manufacturer: Hydrothorm Model No.: OR 385 SU ORF-2043
	293#/M2 100V3I WAX
	Boiler/Furnace Control: Manual V Time Clock Demand I EMCS 02 Trime Tony in Hech Room on 0500 & 2000, no day-study Installed. Tonk MN 7300
	Operating Temperature: °F Operating Pressure:PSI
	Fuel: Nat. Gas Only Nat. Gas/ Draft: Forced
	Fuel:'Nat. Gas OnlyNat. Gas/ Draft:Forced
	Other (Specify) Propose Induced
	Burner: Mfg. Economite Model No. RE 32P Metering Equipment: Yes No
	HOLDER 300000 BTO /AR MAX 50 1000 BDYHR MIN has pilot
•	Operating Schedule: Weekdays: From To Hr/Day Weekdays & Holidays: From Mon/Day to Mon/Day
	Maghdaye & Halidaye: Even where
	weekddys a norroddys. Prolit / Common 10 Hr/Ddy
	Operating Season: From Mon/Day, to Mon/Day
	Flue Con Temperatures 25 Descript To L O 1111
	Flue Gas Temperature:°F Receiver Tank Conditions:PSIG°F
	If supplied Steam
ı	If supplied Steam Steam Pressure PSI Hot Water Supply Temp. "F Hot Water Return Temp. "F"
A	all male from de priorates.
	Insulation: (1) Boiler (2) Other (Specify) Pipe 1'2"
	Poor Area 24 FT ² Poor Area 50 CF 2F FT ²
	None Temp. of None Temp. not on of
	Notice Tellip. 70 670
	Pump: No. of Pumps 1: 1522 15-1 FR V/PH/FLA 115 / 1 /4.9
/	> Mfg. Bels Model 173014 5N HP 1/4 RPM 1725
	HW Pump Starter: HOA Reset P/B S/S Push Button Interlocked with Boiler? Yes No
	FOR LARGE BOILERS (over 6,008 MBTUH): Combustion Control Mfg. Model
	Condensate Pumps/Hot Water Pumps: Mcg. Model HP
	Boiler/Furnace Condition:
	Describe
	Occupant Discomfort (Evaluate): <u>None</u> - had previously sixed Admen Office area - unfilled a T-stat, kattar
	Office area - installed a T-stat katter
	lon Frul.
	- now

3.2 COOLING EQUIPMENT

Gravity
Mech. Draft
Manufacturer
Model No.
Type of Fan
Fan RPM
Fan Motor HP
Fan Motor Voltage
Fan Motor FLA Measured Amps
CHILLED WATER PUMPS (If more than one, how many
operative during normal operation:)
Manufacturer
Model No.
Capacity Gals.
Head, Ft.
Motor HP
Motor Voltage
Motor FLA
Measured Amps UGL
than one, how many operate on normal operation:)
- ACKAGED POOR TOP
- THOM BLOWER NO PLA HP REPRINCIPLE TO BE THE TO STATE OF THE TO STATE OF THE TOP OF THE
3 40 2
1 3 35.6
7 3 32.1
(oth) FAN 2 3.9 2
his for DX of condensors outside:
nen jet un comennys outs

חנ	OMESTIC HOT WATER HEATING SYSTEM (FOLLID)	LOCATION FIT BLOG. NO. 30
<u> </u>	OMESTIC HOT WATER HEATING SYSTEM / EQUIPM	<u> </u>
a.	. Is System Supported from (check one):	Central Plant One System per Building
		Several Small Systems per Building
b.	Domestic Hot Water Temperatures provide	d:?F
c.	Average Pipe Sizes of All HW Piping and	Approximate Run of Fach
		Talk A. T.
		71 8019
-		Val
d.	Is Piping System Insulated and Condition	n:
e.	Is Hot Water Circulated?	
	1) Condition of circulator	3) Is aquastat provided?
	2) Circulator capacity	4) Aquastat temperature setting
יסט		
DUI	MESTIC HOT WATER HEATING EQUIPMENT (If mo	ore than one location, list each one)
a.	Location	Jan, tor's Closet
b.	Areas Served	mong/womand torlots
c.	Manufacturer and Model	AO Smith DRE80 790
d.	Energy (Oil, Gas, Electric, Coal, Etc.;	Elec.
e.	Type Heaters & Quantities:	
	1) Storage	N
	2) Instantaneous	PA
	3) Semi-Instantaneous	NA
f.	Heater Size and Storage Capacity	_30 m
g.	Heating Capacity	4800 34 6KW /3 = 18KW Z1.6 EAMY
h.	Type Controls (Air, Steam, Electric)	3DPhase 80Gallous
í.	When Installed & Condition	
j.	Heater Temperature Setting	135°F DHW
k.	Average Water Maintained Temperature	[10]
1.	Temperature Differential (j) - (k)	75
m.	Is Hot Water Supply Adequate:	-1E3
n.	Insulation Thickness	
Ο.	Insulation Material	

LOCATION	Pth
BLDG. NO	80

3.5 CONTROL/MISCELLANEOUS PROCESS/SKETCHES

CONTROL SYSTEM: CONTROLLERS: ELECTRIC PNEUMATIC ELECTRONIC	OPERATION: MANUAL TIME CLOCK CONTINUOUS EMCS	
1.	DEMAND	
MFG ANTER MODEL	LOCATION	
CONDITION (GIVE DETAILED LIST OF PROBLEMS AS REQUIRED)	:	
		-
		_
FOR STORE: Time clock control on heater H 0500 2000 T	7 day hiner,	•

ADMIN OFFICES

Honeywell Enorgy Ugmet Sonsor/Stat.

BLDG.	REMARKS	(LIGHTS/SWITCH)							400ma HO	2	-			F= Flat		= Storage room = Retail store (PX, commissary) ner (describe on audit form) = Exterior
	WINDOW		\$ 2 \$ 2	P.A	BS	44	52	NA	NA	us	PΑ	MA		al al		12 13 0th
	FINISH E E E E E E E E E E E E E E E E E E E	× (2)	7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	1 1	# #) T	7 7 5	N ES	FSS	FSS	4 7 2	7 7	->	6.54. mg	Code:	Offices-drafting Laundry Toilets Sleeping quarters Supply rooms Repair shops
LOCATION	DLORS N F	ez	7 2	7	1 2	ADOM	2	Z Z	Y	2	77	7		LHE	Tasks Code	= Offices-draft = Laundry = Toilets = Sleeping quar = Supply rooms = Repair shops
707	CEILING E LEIGHT L	1	0 0 1	7 ,0,11	9-9" (1	Q,0-,8	Σ	7	14-0" D	11 ,5-8	9.9"	\-\frac{1}{4}		7		6 8 9 110
	MEASURED ILLUMI- CE	(FC)	~	25 /4	8 00	40 8			50	600	20			. O		Corridors Kitchens Dining Offices-general Offices-bookkeeping (ledgers only)
	WATTS II PER SQ.FT. N	(W/FT ²)				1 4			1					EGEN		= Corridors = Kitchens = Dining = Offices-g = Offices-b (ledgers
i	FLOOR W AREA SERVED S													N G	1	- 2 & 4 &
	LIGHTING F ENERGY S	(KWH/YR) (FT ²)												1 1 4 9 1	Code:	there are windows, indicate: Curtains = C Shades = S o Shading = NS
	DAYS/ LI YEAR ON														Window Code:	f there are wi indicate: Curtains = Shades = No Shading =
	HOURS/ DAY ON														!	A N
	TOTAL														es:	nt = I nt = F or = MV de = MH
	NUMBER OF FIXTURES	-	. ~	4)	A	ال:		2	35	8	7	. 9		4	Lamp Types	Incandescent = Fluorescent = Sodium Vapor = Mercury Vapor = Metal Halide = OtherDescribe
	LAMPS PER FIXTURE	FIXTURE	8 -4	18	4	2001	29/	7001	cel	400	4	4/20		cal to		Mer Mer Oct
	LAMP TYPE AND WATTS	7	7 7	14	7. 8	4	L 69	7 40	T	40		73	ING RGY	1740	es:	#### ;
	FIXTURE	8	S	0	8	5	P	S	PFG	R	8	R	TOTAL BUILDING LIGHTING ENERGY	R	Fixture Types	Recessed = R Suspended = S Ventilated = V Pole Mounted = Pl OtherDescribe
LIGHING	TASK CODE	190009	Ca.0	STURAGE	topph	Im tor	wehn	Meus Weds	Relais	BARBER SHOP	ADMIN	ADAIL B	707/ LiGH	404 J	Fix	St. Ven Pole Othe
•			1	/	/	1	1	1	1	(1	/				LIGHTING

LIGHTING 4.2.1

2	
	_

BLDG.

LIGHTING

	REMARKS	(בומחוז/ אוויחו		10 Porte 4- Pour	L'Ballart	stilletil						
FINISH		p .										
COLORS	CEILING E W HEIGHT L A I L	 		->		add.	4 C					
	MATTS ILLUMI- PER NATION SQ.FT.	-		*		bond Ball	14-0-m	443-4-TC-P	oth 1	> ar 1 1 - a		
	LIGHTING FLOOR ENERGY SERVED	1				Ballast, Stonbord Balloda	Mules of thorm-o-Moh		277V COR			
	HOURS/ DAYS/ DAY YEAR ON ON					Ball	ממנר	Cat Ho.				
	NUMBER TOTAL OF MATTS	78	7	/		:					•	
	LAMP LAMPS NUMBER TYPE FIXTURE FIXTURES AND AND WATTS WATTS		740	F40								NG RGY
	TASK FIXTURE CODE TYPE	SHEKK BA	B . R	3 R					·			TOTAL BUILDING LIGHTING ENERGY

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Fixture Types:	Lamp Types:	3
Recessed = R	Incandescent = I	If th
Suspended ≈ S	Fluorescent = F	
Ventilated = V	Sodium Vapor = SV	
Pole Mounted = PM	Mercury Vapor = MV	,
OtherDescribe	Metal Halide = MH	Ş
	OtherOecribe	2

ss: Window Code:	11. 11	or = SV Curtains = C 3 = Nr = Nr Shades = S 4 = Nr Nr Shading = Nr S 5 = Nr Shading = Nr S 5 = S = Nr S 5 = S = Nr S 5 = S = Nr Shading = Nr S 5 = S = S = S = S = S = S = S = S = S
Lamp Types:	11. 11	

	ing 12 = Storage room 13 = Retail store (Px, commissary) ters Other (describe on audit form) E = Exterior
Tasks Code:	6 = Offices-drafting 7 = Laundry 8 = Toilets 9 = Sleeping quarters 10 = Supply rooms 11 = Repair shops
	Corridors 6 = Offices-draf Kitchens 7 = Laundry Dining 8 = Toilets Offices-general 9 = Sleeping qua Offices-bookkeeping 10 = Supply rooms (ledgers only) 11 = Repair shops

LIGHTING 4.2.1

LOCAT	ION	FHC
BLDG.	NO.	80

4.2 LIGHTIN	NG (continue	d)			
4.2.2 Exterio	or Lighting				
ACTUAL NO. OF FIXTURES	TYPE OF FIXTURE	NO. OF FIXTURES IN USE	WATTS/ TOTAL FIXTURE WATTS	CONTROL TYPE*	REMARKS EROUT =
4	R	4	75WAV)	<u>M</u>	NORTH SIDE
	·			-	
-		·			
• •					
				•	
	· · · · · · · · · · · · · · · · · · ·			. —	
* M = Manual	T = Time	r P = Pho	tocell Enter s	chedule und	der Remarks.
CALCULATIONS	•				
WATTS OI	F INTERIOR I	IGHTING			•
Ac:	tual at time	e of survey	. N/		
To	tal installe	ed	<u>u\</u>		
WATTS O	F EXTERIOR I	_IGHTING		·	
Ac	tual on at	time of sur	vey UA		
То	tal install	ed	<u> </u>		· ·

LOCATION _	Fit
BLDG. NO	80

4.3 POWER USAGE SURVEY

4.3.1 CRITICAL LOAD (Computer, Communications)

Describe:	NA
NA NA	• • •

- 4.3.2 RECEPTACLES IN USE 20 PERCENT
- 4.3.3 SMALL APPLIANCES IN USE (ENTER COUNT)

Water Cooler

Vending Machine

Space Heater

Coffee Pot

TV

XEROX
Other:

4.4 SPECIAL ELECTRIC EQUIPMENT

IDENTIFICATION NO.	LOCATION (ROOM)	DESCRIPTION (MANUFACTURER, MODEL NO.)	CONNECTED LOAD	REMARKS
	2,26		KW	
	BLDG Oraile	Pepsi Muchine.	÷	
	ADMIN OFFICES	TV		
		PC's 5 fea		
		Printers 3 Agea		
		Yerox -lea.		
		Webr Cooler		
	CASHIFITS OFFICE	3 PC's &		
		2 Printers		
		Asc Officie Supplios		
empty 280F	Retail &	Hsc Office Supplie's Tyler FG5 - 1775 Reach- 220 V 7.3 A R502 LOSE ON G 120 V 10.	in Cold Be	120 V 4.8 A
			OA	, , , , , ,
	. 0	Tylor XD4FG12-4208 3Fous 0.8Aou 115V4.DA R5		From Foods
		115 V 4,0A P_5	02	12°F
		Anti Sweet Atr: 1236W		
		Defrost Ht 4000W		
	4	Aussmann ISO 671FG1		ICE 340F
		115 10,1 Amps R-12	1502	
	•	TrueGDM-46 1/2HP115	VID	SODAS
		9,2FLA RIZ 2102.	37°F	SUDING DOOR
	•	Beverage -Air MT65 115	V 15,25LA	SODAS 400F
	•			370

A Self-contained usuits - reject heat note store

SPECIAL ELECTRIC EQUIPMENT

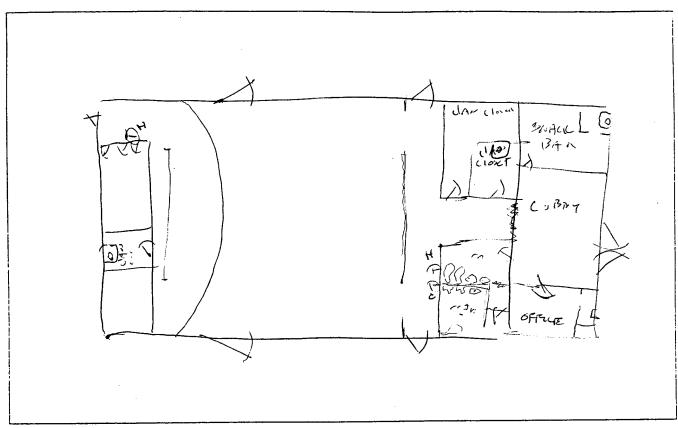
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1 ARC	CHITE	ECTU	RE -	MIS	CEL	LANE	<u>ous</u>												4
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LDING N	ر NUMBER	THE	HEI	2(P-	-81)	FUNCTIO	N/USE		- UEA:	TEIL							
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		(5			`′	V 15	CYA			<u>ے د</u>	N) - (4) (.97					
ERAL BU	ILDIN	G DAT	<u>A</u>																
BUILDI	NG AG	E: _				YEAR	S												
DUPLIC	ATE B	UILDI	NG NO	5:															
												••				10	TAI:		
SIMILA	AR BUT	LDING	, 20N			-											.,		
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								upants			ئــــ			N). UF	ULCUP	ANTS	<u> 25 C</u>	
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		 .																	<u> </u>
																			
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ATTIC.		Ver	ENTILA	TED [_	5 W	INHETE												

ARCHITECTURE -- MISCELLANEOUS

2.2 BUILDING FLOOR PLAN AND ELEVATION SKETCHES

FLOOR PLAN (Show dimensions and zones)



SOUTH ELEVATION (Show floor to ceiling elevations)

REFER TO AS-BUILT DWGS

BUILDING FLOOR PLAN AND ELEVATION SKETCHES

LOCATION FAL
BLDG. ::0. P-8)

- 1]						Τ	T	т		:						
	REMARKS *** ***																		CASEMENT LOUVERED FIXED GLASS
	CRACK LENGTH																	TYPES:	4 - CASE 5 - LOUV 6 - FIXE
- 1	 																	WINDOW	- DOUBLE HUNG - SINGLE HUNG - SLIDING
3,1	YES						1												1 - DOU 2 - SIN 3 - SLI
77.																		ا:	EEN Y
-							- BMLT									U-VALUE		/ISIBILITY	E - AWNING F - SOLAR SCREEN G - OVERHANG OTHER - SPECIFY
	ТҮРЕ						م										GEND:	**	6 - 6 071E1
3776							EKU										<u>ш</u>	DING:	SOLAR FILM VEN BLIND STORM WINDOW DRAPES
	3						(X									JTAL AREA		***SHA	A - SOLAR B - VEN BI C - STORM D - DRAPES
L	MS.						7						:			 		1	×
2000																			W - WOOD M - METAL T - METAL/THERMAL BREAK
\vdash	_			-											_			FRAME	THERMA
	뷜																	*	WOOD METAL YETAL/
	z																		1 1 1 3 2 H
TYPE	-													- 4					81116
WINDOW.	DESTG.																	*GLAZING:	1 - ORDINARY 2 - 1," PLATE 3 - HEAT ABSORBING 4 - TINTED
	341	SW W NW L x H TYPE DBL TRPL FRAME** YES NO LOOSE AUG LENGTH	TYPE N NE E SE S SW W NW L x H TYPE DBL TRPL FRAME** YES NO LOOSE AUG LENGTH	TYPE N NE E SE S SW W NW L X H TYPE DBL TRPL OF W/S FIT CRACK CRACK LENGTH L X H TYPE DBL TRPL OF W/S FIT CRACK LENGTH	TYPE N NE E SE S SW W NW L x H TYPE DBL TRPL FRAME** YES NO LOOSE AUG LENGTH	TYPE N NE E SE S SW W NW L x H TYPE DBL TRPL FRAME** YES NO LOOSE AUG LENGTH	TYPE N NE E SE S SW W NW L x H TYPE DBL TRPL FRAME** YES NO LOOSE AUG LENGTH	TYPE N NE E SE S SW W NW L X H TYPE DBL TRPL FRAME** YES NO LOOSE AUG LENGTH	TYPE N NE E SE S SW W NW L X H TYPE DBL TRPL OF W/S FIT CRACK I FIGHTH OF W/S FIT CRACK I FIGHTH OF W/S FIT CRACK I FIGHTH OF W/S FIT OF W/S FI	TYPE N NE E SE S SW W NW LXH TYPE DBL TRPL FRAME** YES NO LOOSE AUG LEHGTH CRACK CRA	TYPE N NE E SE S SW W NW L X H TYPE DBL TRPL FRAME** YES NO LOOSE AUG LENGTH RAME** YES NO LOOSE AUG LENGTH CANCEL MAS AULT DWGS>	TYPE N NE E SE S SW W NW L X H TYPE DBL TRPL OF FRAME TEST CRACK LEGITH CRACK TEST NO TOOSE AUG LEGITH CRACK TEST NO TOOSE A	TYPE N NE E SE S SW W M L X H TYPE DBL TRPL OF THE TRANSFER TO CRACK THE TRANSFER TO THE TRANSFER THE TRANSFE	TYPE N NE E SE S SW W NW LXH TYPE DBL TRPL OF WAS FIT CRACK WAS FIT CRACK WE ELEGTH A SEPTION OF	TYPE N NE E SE S SW W NW LXH TYPE DBL TRPL FRAME. TES NO LIOSE ANG LENGTH A READER TO THE DBL TRPL CRACK A REFLACE TO THE DBL TRPL	TYPE N NE E SE S SW W NW L X H TYPE DBL TRPL OF FRANCE TEGETH L X H TYPE DBL TRPL OF TRST NO LOOSE AND LEFETH RANGE TEGETH A PERIO	TYPE N NE E SE S SW W NW LXH TYPE BBL TRPL FRAME. WS FIT CRACK LENGTH LXH TYPE BBL TRPL FRAME. WS FIT CRACK LENGTH LXH TYPE BBL TRPL FRAME. WINDSE AND LIEBTH LXH TYPE BBL TRPL FRAME. WS FIT CRACK LENGTH LXH TYPE BBL TRPL FRAME. WINDSE AND LIEBTH LXH TYPE BBL TRPL FRAME. WINDSE	TYPE H NE E SE S SM W L XH TYPE DBL TRPL FROME - YEST NO LOSSE ANG LENGTH	N NE E SE S SH W M LXH TYPE DBL TRPL FRAME: W/S FIT CRACK WAS FIT

BUILDING ENVELOPE	<u>.</u>			BLDG. N	ON <u>FH</u> o. <u>P</u> -
CONSTRUCTION				_	
WALL	COLOR: D		ROOF (INCL. CLG.)	TYPE: F COLOR: D	P
MATERIAL	THICKNESS (IN.)	R VALUE	MATERIAL	THICKNESS (IN.)	R VALUE
OUTSIDE FILM			OUTSIDE FILM		
CMU	- 34		BULLT UP ZOOTING		
CMA	6"		Z" EIGID (NOUL	۲"	
STALLO	3/4 "		2 42 " CONC.		
			STEAL DECK		
			SUSPICELLUS	162	
INSIDE FILM			INSIDE FILM		
	TOTAL		 	TOTAL	
	ı		ſ 		
U-FACTOR	AREA		U-FACTOR	AREA	
U-FACTOR FLOOR	AREA		U-FACTOR DOOR	AREA	
	AREA THICKNESS (IN.)	R VALUE		THICKNESS (IN.)	R VALUE
FLOOR		R VALUE	DOOR		R VALUE
FLOOR MATERIAL		R VALUE	DOOR		R VALUE
FLOOR MATERIAL		R VALUE	DOOR		R VALUE
FLOOR MATERIAL		R VALUE	DOOR		R VALUE
FLOOR MATERIAL		R VALUE	DOOR		R VALUE
FLOOR MATERIAL OUTSIDE FILM		R VALUE	DOOR MATERIAL OUTSIDE FILM		R VALUE
FLOOR MATERIAL	THICKNESS (IN.)	R VALUE	DOOR	THICKNESS (IN.)	R VALUE
FLOOR MATERIAL OUTSIDE FILM		R VALUE	DOOR MATERIAL OUTSIDE FILM		R VALUE
FLOOR MATERIAL OUTSIDE FILM	THICKNESS (IN.)	R VALUE	DOOR MATERIAL OUTSIDE FILM	THICKNESS (IN.)	R VALUE

LOCATION	FAL
BLDG. NO	P-81

'3.1 HEATING EQUIPMENT

Heat Source: Furnace Steam Steam Hot Water Heat Supplied Steam or Hot Water Other Boiler Pump (External Boiler Plant)	
Capacity: 300 MBtu/Hr orBoiler HP orLbs/Hr Steam orGPM Hot Wat	er
Manufacturer: HYDROTHERM Model No.:	
Boiler/Furnace Control: Manual Time Clock Demand EMCS 02 Tr	im
Operating Temperature:oF Operating Pressure:p	SI
Fuel: Nat. Gas Only Nat. Gas/ Draft: Forced Other (Specify) PANE Induced	
Burner: Mfg. ECONOMINE Model No. RE32P Metering Equipment: Yes	No
Operating Schedule: Weekdays: P/S From To Hr/Day Weekdays & Holidays: From To Hr/Day	
Operating Season: From Mon/Day, to Mon/Day	
Flue Gas Temperature:°F Receiver Tank Conditions:PSIG	٩F
If supplied Steam or Hot Water: Steam Pressure PSI Hot Water Supply Temp. °F Hot Water Return Temp. Insulation: (1) Boiler (2) Other (Specify)	'F
Poor Area HTERNAL FT2 Poor Area F	<u>-</u> -
None: Temp°F None Temp	³F
Pump: No. of Pumps V/PH/FLA / /	
Mrg. 17000 1975 PM 1750 RPM 1750	_
HW Pump Starter: HOA Reset P/B S/S Push Button Interlocked with Boiler? Yes	10
FOR LARGE BOILERS (over 6,000 MBTUH): Combustion Control Mfg. Model	
Condensate Pumps/Hot Water Pumps: Mfg. Model HP	
Boiler/Furnace Condition:	
Describe	_
Occupant Discomfort (Evaluate):	_

LOCATION	FHL
SLDG. NO.	P-81

3.2 COOLING EQUIPMENT

COMPRESSOR(S)/CHILLER		,	COOLING TOWER	
Manufacturer	TRAINE	"	Gravity	
Model No.	Raug 1253-A	_/	Mech. Draft	
Size ZUGT	3 FAW /	<u> </u>	Manufacturer	
Refrigerant	2-22/_	1/	Model No.	
Motor HP (if availabl	e) 1/2	11	Type of Fan	
Motor Voltage	208	/11	Fan RPM	
Motor FLA	14.1		Fan Motor HP	
Measured Amps	C		Fan Motor Voltage	
		/	Fan Motor FLA	
CONDENSER/CONDENSING UN	<u>IIT</u>		Measured Amps	
Water Cooled			, and a second pumps	/If many than one how many
Air Cooled	_X			(If more than one, how many normal operation:)
Evaporative	 -			normal operation.
Manufacturer	PAUE_		イルビ Manufacturer -406 Emodel No.	
Model No.	RAUA 1253-A_	" PAUB		
Size 2	aut 13FAN	, (CKT		
Type of Fan	COHOENSER _		Head, Ft.	
Fan Motor HP	-112 -		PIOCOT III	
Fan Motor Voltage	<u> 2X</u>		Motor voicage	
Fan Motor FLA	4.1		Motor FLA	
Measured Amps			Measured Amps	
CONDENSER WATER PUMPS	(If more than one	, how many oper	ate on normal operation	:)
Manufacturer				
Model No.				
Capacity, Gals.				
Head, Ft.				
Motor HP				•
. Motor Voltage				
Motor FLA				
Measured Amps				
REMARKS:				

3.3 AIR HANDLING EQUIPMENT

FANS	MRAH THROUGH			
Туре	CEHTELFUGAL		PRY	
Unit/Zone	# MAIL	# AHU-2	# [203] =	
Manufacturer	TRANE	-11		
Model No.	CLCH-17	CLUH-3		
Type	CLIMATIZ CHWAR			
RPM of Fan				
Motor HP	6	314		
Motor Volts	208	20%		
Motor FLA	16	2.6		
Measured Amps				
CFM (from Plans)				
Notes				
COIF2				
Indicate capacities	where found:			
	COOLING		HUMIDIFICATION	
	DXX			
	Н20		STEAM	
	HEATING		OTHER	
	H ₂ 0			
	OTHER			
FILTERS				
Type	**			
Condition			-	
Manometer Reading 1,	/			
hanometer reading I				
34.5				

 $\underline{1}\!\!/$ Record only if manometer is installed on the unit.

HAY EUNDMIZER LYLLE

<u>DO</u>	MESTIC HOT WATER HEATING SYSTEM / EQUIPME	<u>:NT</u>		BLDG. NO. P-8								
a.	Is System Supported from (check one):	Central Plant One System per Building Several Small Systems per Building										
b.	Domestic Hot Water Temperatures provided	:	.k	c								
c.	Average Pipe Sizes of All HW Piping and	Approximate Run of Each:										
d.	Is Piping System Insulated and Condition	:										
e.	Is Hot Water Circulated?											
	1) Condition of circulator											
	2) Circulator capacity											
10d	ESTIC HOT WATER HEATING EQUIPMENT (If mo											
ì.	Location	MECH ROUM	(AHCCOSET									
٥.	Areas Served	BACK	FRONT									
:.	Manufacturer and Model		NAMONAL HRG 4.	<u> </u>								
i.	Energy (Oil, Gas, Electric, Coal, Etc.)	ELEL	<u> </u>									
₽.	Type Heaters & Quantities:											
	1) Storage	20 GAL	do 6,4c									
	2) Instantaneous											
	3) Semi-Instantaneous											
٠.	Heater Size and Storage Capacity											
١.	Heating Capacity	ZKW	4.5 KW									
١.	Type Controls (Air, Steam, Electric)	NOHE	.,									
	When Installed & Condition	Worker	• / .									
	Heater Temperature Setting											
	Average Water Maintained Temperature											
	Temperature Differential (j) - (k)											
١.	Is Hot Water Supply Adequate:	Ken	,,									
	Insulation Thickness Insulation Material	NOLLE Typ	e									

3.4

•	•				LOCATION FAL
3.5	CONTROL/MISCELLANE	OUS PROCESS/SKETC	HES		BLDG. 110. P-81
	CONTROL SYSTEM: CONTROLLERS:	ELECTRIC ELECTRONIC	PNEUMATIC	OPERATION: MANUAL CONTINUO DEMAND	DUS EMCS
	MFG		MODEL	LOCATIO	I
	JIME Clo		•	- 11 pm Thursday	FR. DA-7 9

3.6 SPECIAL EQUIPMENT

IDENTIFICATION NO.	LOCATION (ROOM)	DESCRIPTION (MANUFACTURER, MODEL NO.)	CONNECTED LOAD KW	REMARKS
	MECH RY	HOT WATER LINIT HEATTER	14 HP	
	MEUN RA	FOR WATER UNIT HEATER PROPELLER LAW FAN	1/21+P	
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·				
V-14.				
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, ,						 -											
	BLDG. (2-8)	REMARKS	(LIGHTS/SWITCH)		SU DIMMER	or Dimmeth											= Storage room = Retail store (PX, commissary) ner (describe on audit form) = Exterior
		MINDOW CODE															12 = 13 = 0ther
	LOCATION FILL	COLORS FINISH C E W F E W F I A L I A L I L O L L I L O L L I L O L L I L O L L I L O L L I L O L L I L O L I	z 0													Tasks Code:	6 = 8 = 1 = 1 = 1 = 1 = 1 = 1 = 1 = 1 = 1
		MEASURED ILLUMI - CEILING NATION HEIGHT	(FC) (FT)												: 0		Corridors Kitchens Dining Offices-general Offices-bookkeeping (ledgers only)
		WATTS III PER NJ	(W/FT ²)												LEGEN		0 9 17 41 11
		FLOOR AREA SERVED	1												<u>ن</u>	1	2 E 4 R
		L I GHT I NG ENERGY	(KWH/YR) (FT ²)												L I G H T I	Code:	there are windows, indicate: Curtains = C Shades = S o Shading = NS
		DAYS/ YEAR ON														Window Code:	
		HOURS/ DAY ON														!	H 4
		TOTAL WATTS					15,	75								es:	nt = I nt = F or = SV or = MV de = MH
_ ~	~ \(\cdot \).	NUMBER OF FIXTURES	4	4	20	7	:-	_	2	e	a	南	4		2 2	*** Types:	Incandescent = Fluorescent = Sodium Vapor = Mercury Vapor = Metal Halide = OtherDescribe
1/2	2/2		FIXTURE 7	72	- (x)	Son	1/2	1,50	1/24	1/20	1/4	1/2	1/4			175 1	Mer Soft
<u> </u>	L 14	LAMP TYPE AND WATTS	17	17	14	17	14	17	17	17	几	1,7	1,_	NG RGY		<u> </u>	AN H H H A
, , ,		FIXTURE	2	2	K	Ŋ	4	. 67	4	9	2	4	7	TOTAL BUILDING LIGHTING ENERGY	2 24	Fixture Types:	Recessed = R Suspended = S Ventilated = V Pole Mounted = Pl OtherDescribe
·	LIGHTING	TASK	を得る	1320	2) Herie	THRITE	つつ) (26	YELO	CONSTRAIN	Mamon	my ch	TOTA LIGH	のだにだ	Fixt	Sur Vent Pole 1
	S. JEG.				·····	 '				<u></u>	3 0	ر ا					LIGHTING

<u>LIGHTING</u> 4.2.1

LOCATION	FAL
BLDG. NO.	P81

4.2 LIGHTI	NG (continued	1)				
4.2.2 <u>Exteri</u>	or Lighting					
ACTUAL NO. OF FIXTURES	TYPE OF FIXTURE	NO. OF FIXTURES IN USE	WATTS/ FIXTURE	TOTAL WATTS	CONTROL TYPE*	REMARKS
22	WCAP_		300		M	
	······································			•		
•:						
·					· .	
	/			·		
	·					
* M = Manual	T = Timer	P = Photo	cell	Enter sc	hedule und	er Remarks.
CALCULATIONS						
WATTS O	F INTERIOR L	GHTING				•
Ac	tual at time	of survey.	•			
То	tal installe	d		·	_	

WATTS OF EXTERIOR LIGHTING

Actual on at time of survey____

Total installed_____

LOCATI	ON	FHL	
BLDG.	. NO.	P-81	

4.4 SPECIAL ELECTRIC EQUIPMENT

IDENTIFICATION NO.	LOCATION (ROOM)	DESCRIPTION (MANUFACTURER, MODEL NO.)	CONNECTED LOAD KW	REMARKS
PROJECTOR	ROOL 17 M	75 PC ANPS YERON ZADEVOLIS SUPPLY		XZ
			·	
		·		
		·		
-				

1 ARC																								
ÇATIO	N	F	The					s	SURVE	YED	BY_		B	11	+1	$\sqrt{2}$	نك	3			0#	ATE	24	92
LDING N	IUMBER				(0			F	UNCI	ION/	'USE_					A	<u>^</u>	<u> </u>	0/	+				
ORMATIO	IN SOU	RCE (DWG.	NO./F	PERSO)N)				Du	بى دى)	Si	ωl	عان	Υ								
					•					-y					<u> </u>	-1								
ERAL BU	ILDIN	G DAT	<u>A</u>																					
BUILDI	NG AG	E:	0	1	<u> </u>	YE	ARS																	
DUPLIC	ATE B	UILDII	NG NO	s: _																				
										··											TOTA	AL:		
SIMILA	R BUI	LDING	NOS:					<u> </u>																
		·· ·																			TOTA	₹L:		
BUILDI	NG OC	CUPAN	cy: L	14	Na	١ ،	ONTI	JOUN	JS (2	24 HR	IS/DA	(Y)	V	-				N	0. 0	F OC	CUPAI	NTS	4	<u>-0</u>
In	dicat	e (nui	mber	and)	dura	tior	of	occi				-				•								
М	Πi		1						<u> </u>	DLA), \ 		- 7	1		T			Ī	T				
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MISCEL	LANEO	US EQ	UI PME	NI: -		117	11th	14	_7_	12	77	<u></u>	47	on	14									
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																_,								
																			 -					
ADDITI	ONAL	сомме	NTS,	CRIT:	CAL	LOAI	os: _																	
-					_																			
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														-						-				
								•••																
CRAWL	SPACE	: V	ENTIL	ATED.			EXH	AUST	ED [_															
ATTIC:	:	٧	ENTIL	.AT ED	X		EXH	AUST	ED [

LOCA	TION	Fitz
BLDG.	::O	101

2	2	BUILDING	FLOOR	PLAN	AND	ELEVATION'	SKETCHES
_	_						

R PLAN (Show	dimensions and zones)	İ
	45ED MISC DRAWINGS PROVIDED FOR YERRIFICATION	
	Foil YEARIFICATION	-
TH ELEVATION	(Show floor to ceiling elevations)	
	//	
	• • •	

BUILDING FLOOR PLAN AND ELEVATION SKETCHES

		W/S FIT CRACK REMARKS NO LOOSE AUG LENGTH ***, ****	(53 do	COUSE 22.5	1 40	82 7	٥٤ ٦	L 35	05. 7	02 20	L 147	9) 7	21 7					WINDOW TYPES:	- DOUBLE HUNG 4 - CASEMENT - SINGLE HUNG 5 - LOUVERED - SLIDING 6 - FIXED GLASS
		YES	بد	٨	٨	٨	>	>	>	>	×	ک	٨			<u> </u>	-		-2E
	TYPE	OF FRAME**	3	3	3	3	3	3	3	3	3	J	ノ						EEN
+01414	GLAZ I NG *	DBL TRPL	· 													U-VALUE	1	****VISIBILITY	E - AWNING F - SOLAR SCREEN G - OVERHANG OTHER - SPECIFY
1	PLA	ТҮРЕ	>_	入一	7	>_	<u>>_</u>	<u>ــــــــــــــــــــــــــــــــــــ</u>	_)				E N	ω	
	SIZE	L×H	7×8	51/2d	8/2×6	8x7	8/126		SXS	8x7	1×7	pxb	2×6				L E G	OING:	SOLAR FILM VEN BLIND STORM WINDOW
		₹														TOTAL AREA		***SHADING:	SOLAR FILM VEN BLIND STORM WINDO
		M MS	7	2		_		~				· · · · · · · · · · · · · · · · · · ·	7	<u>.</u> <u>-</u> .		TOTAL			4 8 U C
ER	URE	S	2		··				7		2	21	,						BREAK
NUMBER	EXPOS	SE														_		4ME:	ERMAL E
		ш		9							_	4	4					**FRAME:	WOOD METAL METAL/THERMAL BREAK
		N NE							2	NA.									T WE
-		TYPE								12									
		WINDOW 1 DESIG.	4	2	S	4	101	12	ঠ	ナ	۲),	っ	1					*GLAZING:	1 - ORDINARY 2 - 1," PLATE 3 - HEAT ABSORBING 4 - TIMEN

CONSTRUCTION			·		on Fitc
WALL	COLOR: D] M [] L []	ROOF (INCL. CLG.)	TYPE: F COLOR: D	P
MATERIAL	THICKNESS (IN.)	R VALUE	MATERIAL	THICKNESS (IN.)	R VALUE
OUTSIDE FILM			OUTSIDE FILM		
HEAVY Aument	18"	3.6	LOUD SUAT		
INSIDE EXIM			INCIDE ELIM		
INSIDE FILM	TOTAL	3,6	INSIDE FILM	TOTAL	
U-FACTOR	AREA	0.3	U-FACTOR	AREA	
FLOOR			DOOR		
FLOOR NA	THICKNESS (IN.)	R VALUE	DOOR NA	THICKNESS (IN.)	R VALUE
NIT	THICKNESS (IN.)	R VALUE	<u>NA</u>	THICKNESS (IN.)	R VALUE
MATERIAL	THICKNESS (IN.)	R VALUE	MATERIAL	THICKNESS (IN.)	R VALUE
MATERIAL	THICKNESS (IN.)	R VALUE	MATERIAL	THICKNESS (IN.)	R VALUE
MATERIAL	THICKNESS (IN.)	R VALUE	MATERIAL	THICKNESS (IN.)	R VALUE
MATERIAL	THICKNESS (IN.)	R VALUE	MATERIAL	THICKNESS (IN.)	R VALUE
MATERIAL OUTSIDE FILM	THICKNESS (IN.)	R VALUE	MATERIAL OUTSIDE FILM	THICKNESS (IN.)	R VALUE
MATERIAL OUTSIDE FILM	TOTAL	R VALUE	MATERIAL OUTSIDE FILM		R VALUE

LOCATION	FIL
BLDG. NO	101

'3.1 HEATING EQUIPMENT

Heat Source: Furnace S	team Hot Water	□ Hoot □ Sun	-lied Ct U.t.	W-4 [777 045	BOER 3KW
		Heat Sup Pump (Ex			ELELTAIL RESIS. 1/EATURS (PLUGIN)
Capacity: 251	MBtu/Hr or	Boiler HP or	Lbs/Hr	Steam or <u>203</u>	6 GPH Hot Water
Manufacturer:	AO SMIDT		Model No.:	ST-25	,
Boiler/Furnace Cont	rol: Manual	Time Clock	▼ Demand	EMCS	0 ₂ Trim
Operating Temperatu	re:	°F	Operating Pressu	re:	PSI
	Only Nat. Gas/_ ecify)				
<u>⊼i</u> Uther (Spi	ecity)			Induced	
Burner: Mfg		Model No		Metering Equipment	Yes Yo
Operating Schedule:	Weekdays:	From	То	Hr/Day	
DEMAN D	Weekdays & Holidays:	From	То	Hr/Day	
	Operating Season:			, to	
Flue Gas Temperature	e:°F	Receiver Tank Cond	itions:	PSIG	°F
If supplied Steam or Hot Water:	Steam Pressure	_PSI Hot Water Supp	ly Temp. <u>\80</u> °	F Hot Water Return	n Temp°F
Insulation: (1) Bo	iler		(2) Other (Sp	ecify)	
Poo	or Area		FT ² Poor	Area	FT ²
No	ne Temp.		_°F None	Temp	°F
Pump: No. of Pumps	I HW Pump +	2 RLDG CIRC.P	wnf5 V/PH/FLA <u>L</u>	IA 1 NA	_/NA
Mfg	- Au	Model	υ A	HP_NA	RPM NA
HW Pump Star	ter: HOA Res	et P/B S/S Pus	h Button Inter	locked with Boiler?	Yes No
FOR LARGE BOILERS (over 6,000 MBTUH): Co	mbustion Control Mfg	•	Mode1	
Condensate Pumps/Ho	t Water Pumps: Mfg		Model	•	Щ
Boiler/Furnace Cond	ition:				
Describe		<u> </u>			
Occupant Discomfort	(Evaluate):		NA		
The second secon		***			

3.2 COOLING EQUIPMENT

COMPRESSOR(S)/CHILLER	_	COOLING TOMER
Manufacturer 112	- 2006-MB	Gravity
Model No.	-2006-MB	Mech. Draft
Size		Manufacturer
Refrigerant <u>Î</u>	1-22	Model No.
Motor HP (if available)		Type of Fan
Motor Voltage <u>2</u>	200V/3¢	Fan RPM
Motor FLA	92	Fan Motor HP
Measured Amps		Fan Motor Voltage
CONDENSED (CONDENSING UNIT		Fan Motor FLA
CONDENSER/CONDENSING UNIT		Measured Amps
Water Cooled	<u></u>	CHILLED WATER PUMPS (If more than one, how many
Air Cooled		operative during normal operation:)
Evaporative		Manufacturer 3 Small GRC Pumps
Manufacturer		Model No
Model No		Capacity Gals.
Size _		Head, Ft
Type of Fan	Ze IHP	Motor HP
Fan Motor HP	2011/34	Motor Voltage
Fan Motor FLA	6.0	Motor FLA
Measured Amps		Measured Amps
		•
CONDENSER WATER PUMPS (If	more than one, how many ope	rate on normal operation:)
Manufacturer		
Model No.		
Capacity, Gals.		
Head, Ft.		
Motor HP		•
- Motor Voltage		
Motor FLA		
Measured Amps		
REMARKS:		

3.	. 3	AIR	HANDLING	EQUIPMENT

LOCATION FHZ
BLDG. NO. 101

FANS				
Type	CEIT			
Unit/Zone	#\	<u> </u>	# = =	
Manufacturer	TRAVE			
Model No.	CLCH			
Туре				
RPM of Fan				
Motor HP				
Motor Volts	230			
Motor FLA	11.7			
Measured Amps				
CFM (from Plans)				
Notes				
COILS Indicate capacitie	s where found: COOLING			
	DX		HUMIDIFICATION	
	H ₂ 0		.,	
	OTHER		STEAMNA	
			OTHER NA	
	HEATING			
	GAS			
	H ₂ 0			
	ELEC			
	OTHER		NA	
FILTERS				
Type	- AV		·_ NA	
Condition			() A	

 $\underline{1}/$ Record only if manometer is installed on the unit.

Manometer Reading 1/

D	DMESTIC HOT WATER HEATING SYSTEM / EQUIPME	LOCATION FITZ BLOG. NO. 121
a.	Is System Supported from (check one):	Central Plant One System per Building Several Small Systems per Building
b.	Domestic Hot Water Temperatures provided	:
c.	Average Pipe Sizes of All HW Piping and	Approximate Run of Each:
d.	Is Piping System Insulated and Condition	: 40
e.	Is Hot Water Circulated?	
	1) Condition of circulator	ルル 3) Is aquastat provided? レル
	2) Circulator capacity	NR 4) Aquastat temperature setting NR
100		
	MESTIC HOT WATER HEATING EQUIPMENT (If mon	e than one location, list each one)
a.	Location	UAN
b.	Areas Served	ARIADE
c.	Manufacturer and Model	A0 Smy H BTC 240831
d.	Energy (Oil, Gas, Electric, Coal, Etc.)	BROPANT
e.	Type Heaters & Quantities:	
	1) Storage	100GAL
	2) Instantaneous	
	3) Semi-Instantaneous	
f.	Heater Size and Storage Capacity	75 M3H
g.	Heating Capacity	100 GA /203.6 GADIT REWISTET
h.	Type Controls (Air, Steam, Electric)	Eutopic
i.	When Installed & Condition	7LD
j.	Heater Temperature Setting	
k.	Average Water Maintained Temperature	
1.	Temperature Differential (j) - (k)	

35 LIS DATLET 3/40 NEEDS INSURATION

Is Hot Water Supply Adequate:

n. Insulation Thicknesso. Insulation Material

3.4

IDENTIFICATION NO.	LOCATION (ROOM)	DESCRIPTION (MANUFACTURER, MODEL NO.)	CONNECTED LOAD KW	REMARKS
Cooler	BAR	TRUE MOD, GDM-46		
by when ATR	BAIL	AMERICAN CNE433TLP	·	Z9 MBH INDUT
Rina	/,	TELLE MUD. T-23		
//	/,	DELFIELD 4048-10		
Bélie Coxes	//	hanne (512 362 930	874L	
	••			
-				

BLDG. [6/	REMARKS	(K-110H13/3M110H)														12 = Storage room 13 = Retail store (PX, commissary) Other (describe on audit form) E = Exterior
LOCATION FH L	COLORS FINISH C														Tasks Code:	Offices-drafting Laundry Toilets Sleeping quarters Supply rooms Repair shops
	WATTS MEASURED PER 11LLUMI- CEILING SQ.FT. NATION HEIGHT	+				トン							·	LEGEND:		= Corridors 6 = Kitchens 7 = Dining 8 = 0 offices-general 9 = 0 offices-bookkeeping 10 = (ledgers only) 11 =
	LIGHTING FLOOR ENERGY SERVED													LIGHTING	Window Code:	there are windows, 1 indicate: 2 Curtains = C 4 Shades = S 5 5 No Shading = NS
0009	TOTAL HOURS/ DAYS/ WATTS ON ON	0	· ·	00	ó	0	0	ġ	00	6		0		0.0		I I I I I I I I I I I I I I I I I I I
160 60 11 60	LAMPS NUMBER TO PER OF IXTURES MA AND MATTS/	2 2 360	60 7 420	2009 5 000	62) dzu	2 2 2	60 9 500	21 2 00	1000 1800	350 TI 256	201 1 20	1 140°		026 1 028	/o & Lamp Types:	Incandescent = Fluorescent = Sodium Vapor = Mercury Vapor = Metal Halide = OtherDescribe
N N	FIXTURE LAMP L TYPE TYPE FI AND WATTS W		sunt 1/2 suns	2 68/ 5) (3) Juns	5 60	5 /60 1	65 / 65	5 165		2 (3/2) 5	5 5/60 6	TOTAL BUILDING LIGHTING ENERGY	21 09/2 5	Fixture Types (00 1/	Recessed = R Suspended = S Ventilated = V Pole Mounted = PM OtherDescribe
Pronto	TASK CODE	4-1-2 5-1-5	-	を1-0 サード 日・1-13		ない。		2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	SNO			KARE LANE	TOTAL		Fixt	Sus Vent Pole M

LIGHTING 4.2.1

LOCATION	FHC
BLDG. NO	101

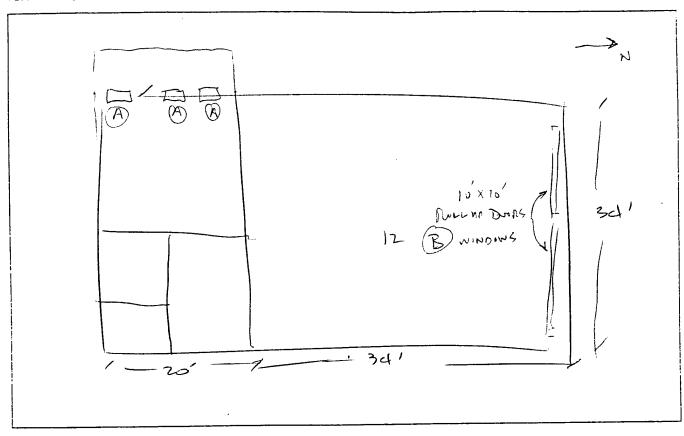
4.3	POWER	USAGE	SURVEY	

.3.1 CRITICAL LOAD (Comp	uter, Communications)	^
Describe:		<u> </u>
NA -		
·		
4.3.2 RECEPTACLES IN USE	PERCENT	
4.3.3 SMALL APPLIANCES IN	N USE (ENTER COUNT)	
Water Cooler		
Vending Machine	e	
Space Heater	X 1 3Km ber 1500 W	
Coffee Pot	<u> </u>	
TV		
XEROX	•	
Other:		

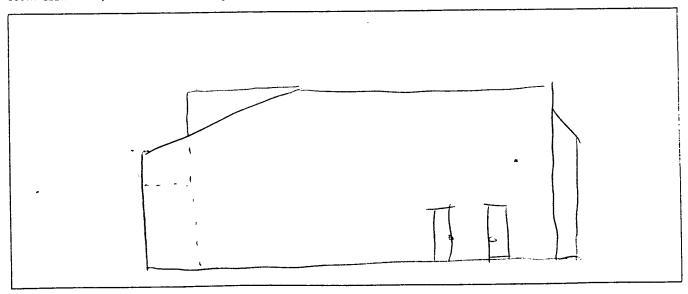
CATION	SURVEYED BY RUB/B	DATE OUT 92
DING NUMBER (16	FUNCTION/USE STRV1	UE STATION
RMATION SOURCE (DWG. NO./PERSON)	SURVEY	UE STATION
RAL BUILDING DATA		
BUILDING AGE: HIZUS YEAR	S	
DUPLICATE BUILDING NOS:		
		TOTAL:
SIMILAR BUILDING NOS:		
		TOTAL:
BUILDING OCCUPANCY: CON	TIMHOUS (24 UDS/DAV)	NO. OF OCCUPANTS Z
Indicate (number and) duration o	· · ·	NO. OF OCCUPANTS
M		+7
T W		
T		
F		
S		
$S \downarrow \downarrow \downarrow \downarrow \downarrow \downarrow \downarrow \downarrow \downarrow \downarrow \downarrow \downarrow \downarrow \downarrow \downarrow \downarrow \downarrow \downarrow \downarrow$	8 10 12 14 16	18 20 22 24
7 7 7		10 20 22 24
MISCELLANEOUS EQUIPMENT:		
ADDITIONAL COMMENTS, CRITICAL LOADS:		
CRAWL SPACE: VENTILATED X	HAUSTED	

2.2 BUILDING FLOOR PLAN AND ELEVATION: SKETCHES

FLOOR PLAN (Show dimensions and zones)



SOUTH ELEVATION (Show floor to ceiling elevations)



BUILDING FLOOR PLAN AND ELEVATION SKETCHES

LOCATION FITE
BLDG. NO. NG

RATION	CRACK REMARKS																	TYPES:	4 - CASEMENT 5 - LOUVERED 6 - FIXED GLASS
INFILTRATION	FIT FORE AIR	Asq	St. St. St. St. St. St. St. St. St. St.															WINDOW TYPES	DOUBLE HUNG SINGLE HUNG SLIDING
	W/S	_i i	>	>							ļ								1 - 0 2 - 5 3 - 5
_	2											<u> </u>	ļ			!	!		
0.7.1	OF FRAME**	٤	Σ	٤														; -	EEN FY
	TRPL															U-VALUE		****VISIBILITY:	E - AWNING F - SOLAR SCREEN G - OVERHANG OTHER - SPECIFY
GLAZING*] =		SIA**	- AWN - SOL - OVEI
GLA	TYPE	_	_	_													LEGEND	*	
	× H × L	44'x60'	,22×,88	38 × 22														ING:	A - SOLAR FILM B - VEN BLIND C - STORM WINDOW D - DRAPES
П	圣		C													AREA	•	***SHADING:	SOLAR VEN BI STORM DRAPE
	3	W														TOTAL AREA		*	OCBA 111
	MS																		¥
NUMBER	SURE																		W - WOOD M - METAL T - METAL/THERMAL BREAK
Ì	SE					<u> </u>					ļ	_		-	ļ			** 50 035.	HERMA
	w				ļ			-		-		-	_					*	00D TAL
	¥					-	-						-	-	-				388
	Z W	-	2	7	ļ	-		-	_				_		-				
	DOOR/ WINDOW TYPE	A A	<u>e</u>	2															*LLAZING: 1 - ORDINARY 2 - 1," PLATE 3 - HEAT ABSORBING 4 - TINTED

BUILDING ENVELOPE	-				RLD	G. XO	
CONSTRUCTION					TYPE:	F	Р 🔙
WALL	COLOR: D] M [L 🔀	ROOF	(INCL. CLG.)	COLOR:	D	$M \square$
MATERIAL	THICKNESS (IN.)	R VALUE	MAT	ERIAL	THICKNESS (I	N.) R	VALUE
OUTSIDE FILM			ОИТ	SIDE FILM			
Chqu			Bi	1. MOSEING			
			Co	A. Mosifind			
		· · · · · · · · · · · · · · · · · · ·					
INSIDE FILM			INS	SIDE FILM			
	TOTAL	· · · · · · · · · · · · · · · · · · ·	 		T	OTAL	
U-FACTOR	AREA			CTOR		AREA	
FLOOR !			DOOR				
FLOOR	TUTCHNESS (IN)	D VALUE	 		THICKNESS (IN.) R	VALUE
MATERIAL	THICKNESS (IN.)	R VALUE	MA	TERIAL	THICKNESS (IN.) R	VALUE
	THICKNESS (IN.)	R VALUE	MA		THICKNESS (IN.) R	VALUE
MATERIAL	THICKNESS (IN.)	R VALUE	MA	TERIAL	THICKNESS (IN.) R	VALUE
MATERIAL	THICKNESS (IN.)	R VALUE	MA	TERIAL	THICKNESS (IN.) R	VALUE
MATERIAL	THICKNESS (IN.)	R VALUE	MA	TERIAL	THICKNESS (IN.) R	VALUE
MATERIAL	THICKNESS (IN.)	R VALUE	MA	TERIAL	THICKNESS (IN.) R	VALUE
MATERIAL	THICKNESS (IN.)	R VALUE	OU OU	TERIAL			VALUE
MATERIAL OUTSIDE FILM	THICKNESS (IN.)	R VALUE	OU OU	TERIAL TSIDE FILM		TOTAL	VALUE
MATERIAL OUTSIDE FILM	TOTAL		OU IN	TERIAL TSIDE FILM			VALUE

		LOCATION	FHL
3.1	HEATING EQUIPMENT	BLDG. NO	116

Heat Source: Furnace Steam Hot Water Heat Sup Boiler Pump (Ex	plied Steam or Hot WaterOther ternal Boiler Plant)
Capacity: 32,000 Btu/Hr orBoiler HP or	Lbs/Hr Steam or GPM Hot Water
Manufacturer: (ARRIER	Model No.: 1060233
Boiler/Furnace Control: Manual Time Clock	
Operating Temperature:	
Fuel: Nat. Gas Only Nat. Gas/	<u> </u>
Burner: Mfg. Model No	
Operating Schedule: Weekdays: From	To Hr/Day
Weekdays & Holidays: From	To Hr/Day
Operating Season: From	Mon/Day, toMon/Day
Flue Gas Temperature:°F Receiver Tank Condi	tions:PSIG°F
If supplied Steam Or Hot Water: Steam Pressure PSI Hot Water Suppl Insulation: (1) Boiler	(2) Other (Specify)
	T ² Poor Area FT ²
	°F None Temp. °F
Pump: No. of Pumps	V/PH/FLA//
MfgModel	HPRPM
HW Pump Starter: HOA Reset P/B S/S Push	` <u>`</u>
FOR LARGE BOILERS (over 6,000 MBTUH): Combustion Control Mfg.	Mode1
Condensate Pumps/Hot Water Pumps: Mfg	Mode1 HP
Boiler/Furnace Condition:	$\sim 10^{-3}$
Describe	
Occupant Discomfort (Evaluate):	

3.2 COOLING EQUIPMENT

COMPRESSOR(S)/CHILLER	COOLING TOWER
Manufacturer	Gravity ————
Model No	Mech. Draft
Size	Manufacturer
Refrigerant	Model No.
Motor HP (if available)	Type of Fan
Motor Voltage	Fan RPM
Motor FLA	Fan Motor HP
Measured Amps	Fan Motor Voltage
	Fan Motor FLA
CONDENSER/CONDENSING UNIT	Measured Amps
Water Cooled	CHILLED WATER PUMPS (If more than one, how many
Air Cooled	operative during normal operation:)
Evaporative	Manufacturer
Manufacturer	Model No.
Model No.	Capacity Gals.
Size	Head, Ft.
Type of Fan	Motor HP
Fan Motor HP	Motor Voltage
Fan Motor Voltage	Motor FLA
Fan Motor FLA	Measured Amps
Measured Amps Z	infequation visibs
CONDENSER WATER PUMPS (If more than one, ho	ow many operate on normal operation:)
Manufacturer	
Model No	
Capacity, Gals.	
Head, Ft.	/
Motor HP	•
. Motor Voltage	
Motor FLA	
Measured Amps	
REMARKS: HEAT PUTTP	
CARATER MOD	106033
FILTERS CLOGG	(E)

3.3 AIR HANDLING EQUIPMENT

FANS				
Туре	EXITANST	BATH EXHANST		
Unit/Zone	# Sitop	#	# 4	
Manufacturer	*****			
Model No.	CRK-135	CRK-82		
Туре				
RPM of Fan				
Motor HP	YS ItP	1/25 4		
Motor Volts	2301/16	1151		
Motor FLA	1.6	1.9		
Measured Amps				
CFM (from Plans)				
Notes				
COILS Indicate capaciti	es where found: COOLING DX H ₂ 0 OTHER HEATING GAS H ₂ 0 ELEC OTHER	· .	HUMIDIFICATION ELEC STEAM H20 OTHER AUX/MISC OTHER	
FILTERS				
Туре	•		•	

 $\underline{1}$ / Record only if manometer is installed on the unit.

Condition

Manometer Reading 1/

LOCATION	FIL
BLDG. NO.	116

<u>D0</u>	MESTIC HOT WATER HEATING SYSTEM / EQUIPME	ENT			BLDG. 110.
a.	Is System Supported from (check one):		ral Plant ral Small System		em per Building
b.	Domestic Hot Water Temperatures provided	: <u> </u>	10	sŁ	
с.	Average Pipe Sizes of All HW Piping and	Approximate Ru	un of Each:		
i.	Is Piping System Insulated and Condition	: <u> </u>			
e.	13 not nater circulated:	hu			
	1) Condition of circulator		_ 3) Is aquast	at provided?	_
	2) Circulator capacity		4) Aquastat	temperature setti	ng
014	ESTIC HOT WATER HEATING EQUIPMENT (If mo	re than one lo	cation, list ea	ch one)	
	Location	GAZAZA	<u> </u>		
•	Areas Served	_AZ			
•	Manufacturer and Model	AOSM	WTH		
	Energy (Oil, Gas, Electric, Coal, Etc.)			·	
-	Type Heaters & Quantities:				
	1) Storage				_
	2) Instantaneous				
	3) Semi-Instantaneous				
•	Heater Size and Storage Capacity	2091	<u>r</u>		
	Heating Capacity	15 MB	, ,		
•	Type Controls (Air, Steam, Electric)				
•	When Installed & Condition				
ı	Heater Temperature Setting				
	Average Water Maintained Temperature				
	Temperature Differential (j) - (k)				
•	Is Hot Water Supply Adequate:				
•	Insulation Thickness Insulation Material		Type		

3.4

3.5	40	BLDG. NO. 116
	CONTROL SYSTEM: CONTROLLERS: ELECTRIC PNEUMATIC OPERATI ELECTRONIC	DN: MANUAL TIME CLOCK CONTINUOUS EMCS DEMAND
	MFGMODEL	LOCATION
	CONDITION (GIVE DETAILED LIST OF PROBLEMS AS REQUIRED):	
	HEAT LOOLING T. STAT	
	24-142 TIME CLOUR ON 0600	

LIGHTING

0															٠		
		REMARKS	(LIGHTS/SWITCH)									-					12 = Storage room 13 = Retail store (PX, commissary) Other (describe on audit form) E = Exterior
		WINDOW															10
		<u> </u>	o ex				<u> </u>										Offices-drafting Laundry Toilets Sleeping quarters Supply rooms Repair shops
	FINISH	LAE					<u> </u>					 				ë	Offices-draf Laundry Toilets Sleeping quai Supply rooms Repair shops
	FIN		• Z 5						 			 				Tasks Code:	ry ry ts ing
		F-100) ex													sks	Offices Laundry Toilets Sleepin Supply Repair
	COLORS	- BE														۳	
	ខ្ល	<u></u>	- Z ∪														# # # # # # #
		CE 1L ING HE I GHT	(FT)														il eping l
	<u></u>	MEASURED ILLUMI - CEILING NATION HEIGHT	(FC)												. O N		= Corridors 6 = = Kitchens 7 = = Dining 8 = = Offices-general 9 = = Offices-bookkeeping 10 = (ledgers only) 11 =
	•	WATTS I PER SQ.FT.	(W/FT ²)											·	1 E G E		2 = Kitch 2 = Kitch 3 = Dinin 4 = Offic 5 = Offic
		FLOOR 1 AREA SERVED	i							_					2	, 	
	<u></u>	LIGHTING F ENERGY S	(KWH/YR) (FT ²)												LIGHTI	Window Code:	there are windows, indicate: Curtains = C Shades = S io Shading = NS
		DAYS/ YEAR ON									·				أب	Window	If there are wind indicate: Curtains = C Shades = S No Shading = NS
		HOURS/ DAY ON									:					i	
		TOTAL		Br	560	295	251									/pes:	cent = I
		LAMPS NUMBER OF FIXTURES AND		4	4	ঠ	8	:					•			Lamp Types	Incandescent = Fluorescent = Sodium Vapor = Mercury Vapor = Metal Halide = OtherDescribe
		_	그드	1/5	Cp 7	4 3	16]	<u> </u>
			WATTS	54/	F/3,	(%)	15/2)	·						ING ERGY		sec:	ribe PM
		FIXTURE TYPE		6	2	2)	2							TOTAL BUILDING LIGHTING ENERGY		Fixture Types	Recessed = R Suspended = S Ventilated = V Pole Mounted = Pl OtherDescribe
		TASK CODE		8	ė	0	=							T0T/ LiGh			Su Ver Pole Othe

LOCAT	ION	FHL
BLDG.	NO	116
		_

4.2.2 Exteri ACTUAL NO. OF FIXTURES	TYPE OF FIXTURE	NO. OF FIXTURES IN USE	WATTS/ FIXTURE	TOTAL WATTS	CONTROL TYPE*	<u>REMARKS</u>
•						
				* *************************************		

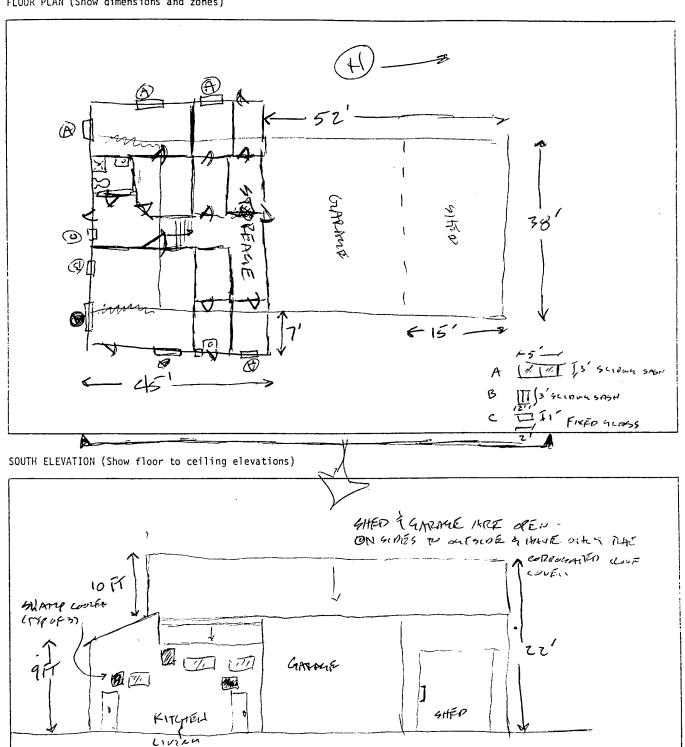
CALCULATIONS

WALLS OF INTERIOR LIGHTING	
Actual at time of survey	AU
Total installed	NA
,	
WATTS OF EXTERIOR LIGHTING	
Actual on at time of survey_	AU.
Total installed	AV

OCATION THE SURVEYED BY PAIS BY A DATE DO TO THE JOST TOTAL: TOTAL: SIMILAR BUILDING OCCUPANCY: Indicate (number and) duration of occupants each day MISCELLANEOUS EQUIPMENT: MISCELLANEOUS EQUIPMENT: ADDITIONAL COMMENTS, CRITICAL LOADS: CRAML SPACE: VENTILATED EXHAUSTED EXHAUSTED	1 ARCH		TUR	<u></u> 	MI.	SUE.	LLAI	YEU	<u> </u>	SIIDVI	EVEN	Dν	∇	Λ:	2)	2	١ 4							١	1-	
BUILDING AGE:	φΑ (1 U II)				11	<u> </u>				OURV	בונט	81_	- }-	11) 	<u> </u>	<u>ر.</u> ۱	11)		<u> </u>			D <i>i</i>	ATE_	<u>ي ر</u>	1	
BUILDING AGE:	LDING NUM	1BER		1_	77	Γ.		. 1	F	UNC	ΓΙΟΝ,	/USE _.		17	1	1de	أحب	rz_	(K)	<u>జల</u>	US	E.O	F	or	S 7084	46
BUILDING AGE:	DRMATION	SOURC	E (D	WG. I	۱V. 0V	PERS	ON)_	V	120	M	ı										_					
BUILDING AGE:YEARS DUPLICATE BUILDING NOS:																										
DUPLICATE BUILDING NOS: TOTAL: SIMILAR BUILDING NOS: BUILDING OCCUPANCY: CONTINUOUS (24 HRS/DAY) NO. OF OCCUPANTS (15 H) Indicate (number and) duration of occupants each day M T H T F S S O 2 4 6 8 10 12 14 16 18 20 22 24 ADDITIONAL COMMENTS, CRITICAL LOADS:	KVT BOIL	DING	DATA	•																						
SIMILAR BUILDING NOS: TOTAL: BUILDING OCCUPANCY: CONTINUOUS (24 HRS/DAY) NO. OF OCCUPANTS HET IN INCIDENCE (number and) duration of occupants each day M T T T S S S S S S S S S S S S S S S	BUILDING	AGE:		<u>D</u>	_0	>	YE	EARS																		
SIMILAR BUILDING NOS: TOTAL:	DUPLICAT	E BUI	LDIN	G NOS	S: _																					
BUILDING OCCUPANCY: CONTINUOUS (24 HRS/DAY) NO. OF OCCUPANTS 114 Indicate (number and) duration of occupants each day M T W T F S S O 2 4 6 8 10 12 14 16 18 20 22 24 ADDITIONAL COMMENTS, CRITICAL LOADS:	***************************************										-											TOTA	AL:			
BUILDING OCCUPANCY: CONTINUOUS (24 HRS/DAY) NO. OF OCCUPANTS 114 Indicate (number and) duration of occupants each day M T T S S O 2 4 6 8 10 12 14 16 18 20 22 24 ADDITIONAL COMMENTS, CRITICAL LOADS:	SIMILAR	BUILD	ING	NOS:																						
Indicate (number and) duration of occupants each day M T T F S S S O 2 4 6 8 10 12 14 16 18 20 22 24 MISCELLANEOUS EQUIPMENT:								_														TOT	AL:			
Indicate (number and) duration of occupants each day M T T S S S S S S S S S S S S S S S S	BUILDING	occu	PANC	Υ:			C	CONTI	NUOL	JS (2	24 HF	RS/DA	(Y)	_					NC). OF	- 00	CUPA	i 2TV	HOT .	714	
MISCELLANEOUS EQUIPMENT: ADDITIONAL COMMENTS, CRITICAL LOADS:													•												Z	
MISCELLANEOUS EQUIPMENT: ADDITIONAL COMMENTS, CRITICAL LOADS:	., [1	1	1		i			1	1		T	1		1		1	i			· ·	1		ī	
MISCELLANEOUS EQUIPMENT: ADDITIONAL COMMENTS, CRITICAL LOADS:	-		-			-	_	_				<u> </u>	-		_						_	-	_	<u> </u>		
MISCELLANEOUS EQUIPMENT: ADDITIONAL COMMENTS, CRITICAL LOADS:	<u> </u>			-				_		-			-		-						_	<u> </u>				
MISCELLANEOUS EQUIPMENT: ADDITIONAL COMMENTS, CRITICAL LOADS:	Т																			 						
MISCELLANEOUS EQUIPMENT: ADDITIONAL COMMENTS, CRITICAL LOADS:	F						<u> </u>																			
MISCELLANEOUS EQUIPMENT: ADDITIONAL COMMENTS, CRITICAL LOADS:			-						<u> </u>				_										<u> </u>	<u> </u>		
ADDITIONAL COMMENTS, CRITICAL LOADS:	<u> </u>		2		4		6	<u> </u>	8]	0		 2		4	1	6]	.8	2	20	2	22	2	4	
ADDITIONAL COMMENTS, CRITICAL LOADS:	MISCELLA	NEUIIS	FOII	TOMEN	ı T .																					
	11130222	.neous	LŲO	Triti														 -								
													·, - ·, -								-					
																										
						_																				_
CRAWL SPACE: VENTILATED EXHAUSTED	ADDITION	AL CO	MMEN	 TS, C	RITI	CAL	LOAD	os: _												_•_						
CRAWL SPACE: VENTILATED EXHAUSTED				· · · · · · · · · · · · · · · · · · ·																						
CRAWL SPACE: VENTILATED EXHAUSTED																										
CRAWL SPACE: VENTILATED EXHAUSTED									·																÷	
Come of the content o	CRAWI SD	ACF	VF	NTIIA	TED	$\overline{}$		EANV	HISTE	.n [7		···-		, <i>n</i>					<u> </u>						
	SIVINE SPI		12	.11 I LH		لب —		LVUN	1031E	. · · · ·																

BUILDING FLOOR PLAN AND ELEVATION SKETCHES

FLOOR PLAN (Show dimensions and zones)



BUILDING FLOOR PLAN AND ELEVATION SKETCHES

LOCATION fit
BLOG. NO. 119

						T	1	1	1	1	 		· -					
		REMARKS																CASEMENT LOUVERED FIXED GLASS
TNET! TDATION	15.11.41.1011	CRACK LENGTH	, 91	,0,	٧,												WINDOW TYPES:	4 . CA 5 - LO 6 - FI
AN L	- 1	FIT LOOSE AUG	المريد))	٥												MINDO	1 - DOUBLE HUNG 2 - SINGLE HUNG 3 - SLIDING
		W/S YES I NO	>	,	У													1 - 00 2 - 51 3 - 5L
-	TYPE	*	3	3	3													
	-	TRPL FF													יר חנ	<u> </u>	ILITY:	IG : SCREEN !ANG !PEC1FY
C1 A7 TMG*	2077	08L													U-VALUE	.: 0	****VISIBILITY:	E - AWNING F - SOLAR SCREEN G - OVERHANG OTHER - SPECIFY
L	5	TYPE)												EGEND	* 1	WIE 60
	SIZE	L×H	5,1	3,25	۶, ۱۰۰												.DING:	SOLAR FILM VEN BLIND STORM WINDOW DRAPES
	}	M.	2												TOTAL AREA		***SHADING:	3 1 1 1
		MS													TOTA		l	A B O C
NUMBER	SURE	S	2	\	-													BREAK
ÎN.	EX	S.			*		 										**FRAME:	HERMAL
		NE E	2				-								<u> </u> 		**	- WOOD - METAL - METAL/THERMAL BREAK
	ŀ	z																32-
		ТУРЕ	N	2	0)RB I NG
	D00R/	WINDOW DESIG.	A	5	J												*GLAZING:	1 - ORDINARY 2 - 1" PLATE 3 - HEAT ABSORBING 4 - TINTED

CONSTRUCTION					BLDG. N	0
		¬ — —		Т	YPE: F	P
WALL FICH	COLOR: D		ROOF (INCL. CLG.)	со	LOR: D	
MATERIAL	THICKNESS (IN.)	R VALUE	MATERIAL	THICKNES	S (IN.)	R VALUE
OUTSIDE FILM			OUTSIDE FILM			
W007617129	1/4"		CORRUGATED			
PUTILOUS	1/4"		Pit wood	114"		
1200 MUD	2"		WOOD FLAME			
GYP BUMBO	5/3"		AIR SPACE	4FT	,	
			GIP BUAILD	518"		
INSIDE FILM			INSIDE FILM			
16 InsulApri	TOTAL		He insucation	l	TOTAL	
U-FACTOR	AREA		U-FACTOR		AREA	
U-FACTOR	AREA		U-FACTOR DOOR		AREA	
<u> </u>	THICKNESS (IN.)	R VALUE		THICKNESS		R VALUE
FLOOR		R VALUE	DOOR	THICKNESS		R VALUE
FLOOR MATERIAL		R VALUE	DOOR MATERIAL	THICKNESS		R VALUE
FLOOR MATERIAL		R VALUE	DOOR MATERIAL	THICKNESS		R VALUE
FLOOR MATERIAL		R VALUE	DOOR MATERIAL	THICKNESS		R VALUE
FLOOR MATERIAL		R VALUE	DOOR MATERIAL	THICKNESS		R VALUE
FLOOR MATERIAL		R VALUE	DOOR MATERIAL	THICKNESS		R VALUE
FLOOR MATERIAL		R VALUE	DOOR MATERIAL	THICKNESS		R VALUE
MATERIAL OUTSIDE FILM		R VALUE	DOOR MATERIAL OUTSIDE FILM	THICKNESS		R VALUE
MATERIAL OUTSIDE FILM	THICKNESS (IN.)	R VALUE	DOOR MATERIAL OUTSIDE FILM	THICKNESS	S (IN.)	R VALUE

SECTION 3 MECHANICAL SYSTEMS DATA

5 SHAMP CONTERS

L ELECTRIC RESISTANTSE SPACE HEATER) USE

LOCATION	Fin
BLDG. NO	1119

a.	. Is System Supported from (check one):	Central PlantOne System per Building
		Several Small Systems per Building
ь.	Domestic Hot Water Temperatures provide	ed:N}
c.	Average Pipe Sizes of All HW Piping and	Approximate Run of Each
		30 17
d.	Is Piping System Insulated and Conditio	n:
e.	Is Hot Water Circulated?	u O
	1) Condition of circulator	PA 3) Is aquastat provided? NA
	2) Circulator capacity	US 4) Aquastat temperature setting NR
2011		
DUM	ESTIC HOT WATER HEATING EQUIPMENT (If mo	re than one location, list each one)
a.	Location	MOVENE
b.	Areas Served	NOGHE
c.	Manufacturer and Model	AMERICAN ESG 41 LP
d.	Energy (Oil, Gas, Electric, Coal, Etc.)	PRUPANE
e.	Type Heaters & Quantities:	
	1) Storage	
	2) Instantaneous	
	3) Semi-Instantaneous	
f.	Heater Size and Storage Capacity	40 4AL
g.	Heating Capacity	29 MBH HAY
h.	Type Controls (Air, Steam, Electric)	
i. !	When Installed & Condition	
j. 1	Heater Temperature Setting	_
k	Average Water Maintained Temperature	
1.	Temperature Differential (j) - (k)	
m.]	Is Hot Water Supply Adequate:	
	Insulation Thickness Insulation Material	Туре
	•	
	•	DINSULATION ON ANY PIPING
		WE AREAD EATER 15 Eys

DOMESTIC HOT WATER HEATING SYSTEM / EQUIPMENT

3.4

THURGERIC

£ 111.1

0				,	T			1		1	<u> </u>					
BLDG. [(1 c	REMARKS	(LIGHTS/SWITCH)										-				
1	MINDOM															
	4.100	ο œ							 							
	FINISH E E L															Tasks Code:
																ks
LOCATION	COLORS				-	-	-									Task
OCA1	S	- Z છ														
_	CEIL ING HEIGHT	(FT)														
	MEASURED ILLUMI- CEILING NATION HEIGHT	(FC)													 O	
	WATTS PER SQ.FT.	(W/FT ²)													LEGEN	
·	FLOOR AREA SERVED														9 N	1
	LIGHTING FLOOR ENERGY SERVED	(KWH/YR) (FT ²)													LIGHTING	Window Code:
	DAYS/ YEAR ON														ᆈ	Window
	HOURS/ DAY ON															1
-	TOTAL WATTS															pes:
	NUMBER OF FIXTURES	1	1)	15	7	(2.	4	2				•			Lamp Types:
	LAMPS PER FIXTURE	WATTS/ FIXTURE	9	22		36	1	sor!	100							j
	LAMP TYPE AND	WATTS	H	E.	962)	040	962	17	14					I NG ERGY		es:
	FIXTURE		e	07	5	6	3	. 4	4					TOTAL BUILDING LIGHTING ENERGY		Fixture Types:
LIGHTING	TASK CODE		4	4	4	7	GARAR	Chramit	17HED					T0T/ LIGH		ξļ
			<u> </u>				١.						-	·	ı	

Recessed = R Suspended = S Ventilated = V Pole Mounted = PM Other--Describe

12 = Storage room 13 = Retail store (PX, commissary) Other (describe on audit form) E = Exterior

l = Corridors 6 = Offices-drafting 2 = Kitchens 7 = Laundry 3 = Dining 8 = Toilets 4 = Offices-general 9 = Sleeping quarters 5 = Offices-bookkeeping 10 = Supply rooms (ledgers only) 11 = Repair shops

If there are windows, indicate:

Curtains = C Shades = S No Shading = NS

Incandescent = I Fluorescent = F Sodium Vapor = SV Mercury Vapor = MV Metal Halide = MH Other--Describe

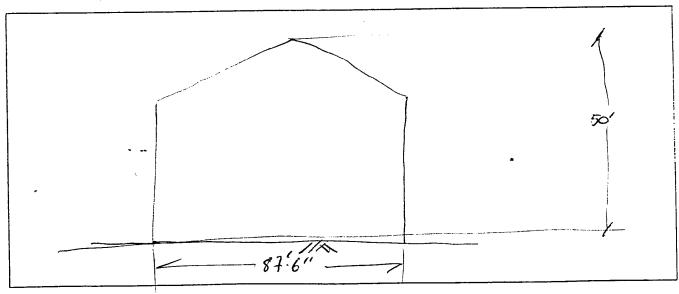
1 ARCHITECT	_						5		7	1_									_
ÇATION	117	<u> </u>		st	JRVEYE	D BY	16	لك	5	ID	开	-	·			D/	ATE_	OC 1	9
LDING NUMBER		20		FL	JNCTIO	N/USE_		<u>'t</u>	112	包	\	7	کین	12					
DRMATION SOURCE	E (DWG. NO	O./PERSO)N)		5	-17	ΛIG	Z >	7										
		•							•					-					
ERAL BUILDING (DATA																		
BUILDING AGE:	_MZ	D	YEARS																
DUPLICATE BUIL	DING NOS:	:																	
-																TOT	AL:	-	
SIMILAR BUILDI	ING NOS:															-			
							-									TOTA	AL:		
BUILDING OCCUP	DANCY.		CONT	TNUCLIS	: /2/	10 C / D/	ν. Γ	7						. 05	0.00				>
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S	2 4	1	6	8	10		2	1	4	10	6	<u> </u>	8-1	, 2	.0		22	, 2	4
MISCELLANEOUS	EOUT DMENT	т.	FO	REST	r 50	えたじ	110	E	5	ЭM	we	l co	be	ce	0	n U)es	; + ,	
	EQUIPMEN																		
																			
														~					
ADDITIONAL COM	MENTS, CF	RITICAL	LOADS:											_•_					
																			 -
		· · · · · · · · · · · · · · · · · · ·	. 1																
								-										•	+
CRAWL SPACE:	VENTILA	TED U	EXH	AUSTE	, [

2.2 BUILDING FLOOR PLAN AND ELEVATION SKETCHES

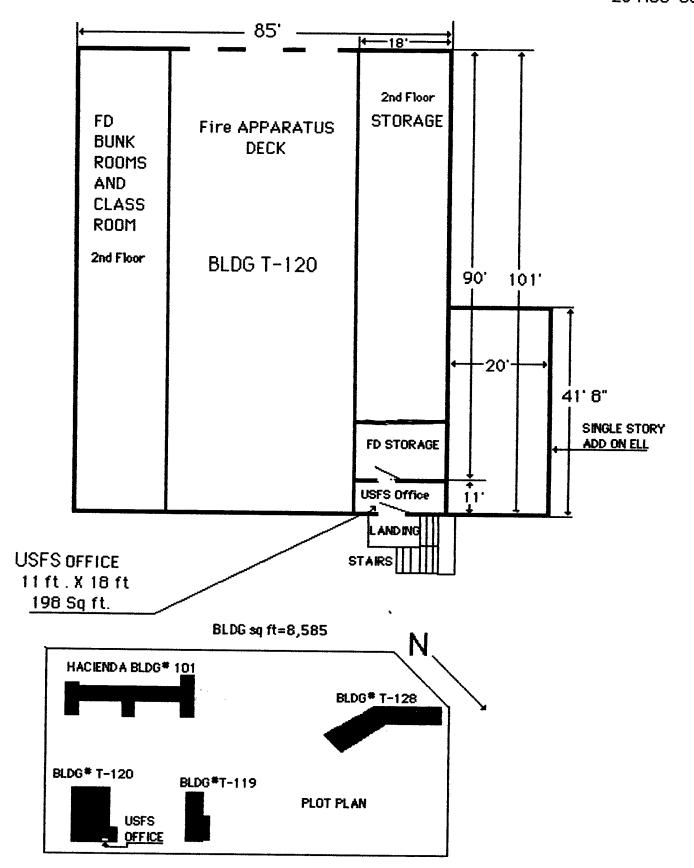
FLOOR PLAN (Show dimensions and zones)

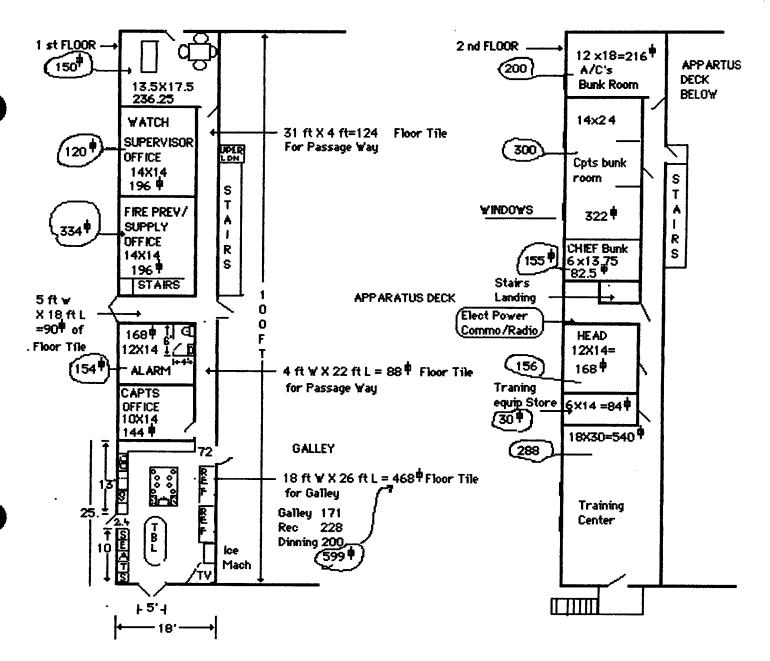
refer to attached sketches

SOUTH ELEVATION (Show floor to ceiling elevations)



BUILDING FLOOR PLAN AND ELEVATION SKETCHES

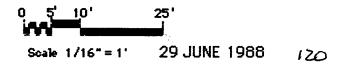


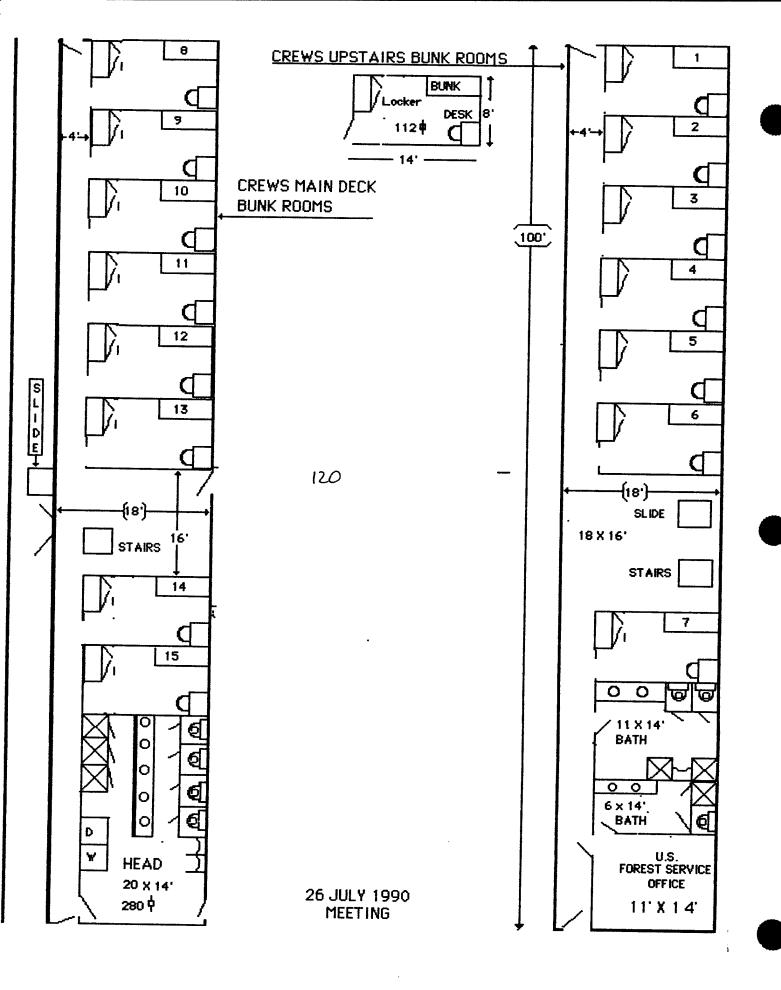


1 st FLOOR

1,800° CEILING TILE W/CHANNELS MAIN FLOOR ONLY
100 ft LONG X 18 ft WIDE= 1,800 sq ft. X 8 ft HIGH = 14,400 CUBIC ft.
× 2 floors = 28,800 cubic ft. for AIRCONDITION/HEATING.10 Ton unit

TWO COMPANY HEADQUARTERS FIRE STATION 8,200 P [8,585 P]





ı				NUMBER Exposure	ER JRE			SIZE	<u></u> 5	GLAZING*		TYPE			1 1	INFILTRATION		
TYPE N		NE	ш	SE	S	M MS	M	L×H	TYPE	DBL	TRPL	OF FRAME**	YES W	¥/S	FIT LOOSE AUG	CRACK LENGTH	REMARKS ***, ****	
4-3			2					45.30	\$			E	7		20%			
44	1 1		_					st×s6	٤			I	>		good		2×23×48" CUSONKWA 11836	.4
4 6			·w		2	7		64×95	3			3		7	`			
	l		_					36×83	¥			W		>	10050-		·	
43			+					66×28	E			7	7	2	non			
-					8			75,721	٤	70	none	٤		7	100%		Geroge	
					~	2		46×54	3			3		7	35007			
						-		64180	3			3	1	1				
4-3	_					m		58×2£				z	7		HOR			
	1				_			38×1,	3			3		7				
1	_							60×84				3		\				
 																		
			-															
1	1			1		TOTAL	TOTAL AREA			Λ-n	U-VALUE							
] 	EGEND		•		-					
	l		**FRAME:	<u>بر</u> ::		ļ	***SHADING:	NDING:	*1	****VISIBILITY:	BILITY	!	į		MINDON	WINDOW TYPES:		•
ORDINARY 1," PLATE HEAT ABSORBING TINTED	3 E H	- WOOD - METAL - METAL/THERMAL BREAK	L L/THE	RMAL B	IREAK	4 B U D	- SOLAR - VEN B - STORP - DRAPE	SOLAR FILM VEN BLIND STORM WINDOW DRAPES	mr. 60	E - AWNING F - SOLAR SCREEN G - OVERHANG OTHER - SPECIFY	ING AR SCRE WIANG SPECIF	N ≻	~0 m	1 - DOU 2 - SIN 3 - SLI	DOUBLE HUNG STRGLE HUNG SLIDIRG	4. ru. ro	CASEMENT LOUVERED FIXED GLASS	

CONSTRUCTION		/		TYPE: F	7 , 1
WALL	COLOR: D] M Z L	ROOF (INCL. CLG.)	COLOR: D	
MATERIAL	THICKNESS (IN.)	R VALUE	MATERIAL	THICKNESS (IN.)	R VALUE
OUTSIDE FILM			OUTSIDE FILM		
Mem wie	·		167 m 1272		
1" Maidin			MITURIAL		
			AZWASTICTILLE		
Tuesde St. II			THE YOU FILM		
INSIDE FILM			INSIDE FILM	TOTAL	
	TOTAL				l
U-FACTOR FLOOR	AREA		U-FACTOR DOOR	AREA	
FLOOR	AREA	R VALUE	DOOR	AREA	R VALUE
FLOOR MATERIAL		R VALUE	DOOR	, , , , , , , , , , , , , , , , , , , 	R VALUE
FLOOR	AREA	R VALUE	DOOR	AREA	R VALUE
FLOOR MATERIAL	AREA	R VALUE	DOOR	AREA	R VALUE
FLOOR MATERIAL	AREA	R VALUE	DOOR	AREA	R VALUE
FLOOR MATERIAL	AREA	R VALUE	DOOR	AREA	R VALUE
FLOOR MATERIAL	AREA	R VALUE	DOOR	AREA	R VALUE
FLOOR MATERIAL	AREA	R VALUE	DOOR	AREA	
FLOOR MATERIAL OUTSIDE FILM	AREA	R VALUE	DOOR MATERIAL OUTSIDE FILM	AREA	

'3.1 HEATING EQUIPMENT

Heat Source: Furnace Steam Hot Wate	r Heat Su Pump (E	upplied Steam or Ho External Boiler Pla	t Water Other	LAIGSMEH POWPON NUIT HEATERS
Capacity: 105 MBtu/Hr 10 or	Boiler HP or	Lbs/H	Hr Steam or	GPM Hot Water
Manufacturer: LENDOX		Model No.:(51205-16	5
Boiler/Furnace Control: Manual	Time Clock	Demar	nd EMCS	0 ₂ Trim
Operating Temperature:	۰ <u>,</u>	Operating Press	sure: NA	PSI
Fuel: Nat. Gas Only Nat. Gas/		Draft	:: Forced	
> Other (Specify)	Ź		Induced	
Burner: Mfg.	Model No		_ Metering Equipment	:: Yes No
Operating Schedule: Weekdays:	From	То	— Hr/Day_	
Myrun Weekdays & Holiday	s: From	To	Hr/Day	
Operating Season:	From	Mon/Da	ıy, to	Mon/Day
Flue Gas Temperature:°F	Receiver Tank Cor	nditions:	PSIG	°F
If supplied Steam Steam Pressure	PSI Hot Water Sup	oply Temp	°F Hot Water Retu	rn Temp°F
Insulation: (1) Boiler		(2) Other (S	Specify)	
Poor Area		FT ² Poor	_ Area	FT2
None Temp.			Temp.	°F
Pump: No. of Pumps		V/PH/FLA_	/	/
Mfg	Mode1_		НР	RPM
HW Pump Starter: HOA F	Reset P/B S/S Pr	ush Button Into	erlocked with Boiler	? Yes No
FOR LARGE BOILERS (over 6,000 MBTUH):	Combustion Control	fg	Mode1	
Condensate Pumps/Hot Water Pumps: Mfg.		Mode'l	•	HP
Boiler/Furnace Condition:				
Describe	<i></i>			
Occupant Discomfort (Evaluate):			$\overline{}$	
			$\overline{}$	

3.2 COOLING EQUIPMENT

COMPRESSOR(S)/CHILLER	AD MO C	00014 /HT6		
	MRRIER		COOLING TOWER	
Model No. 580	AP048100		Gravity	
Size	1.00 18100		Mech. Draft	
Refrigerant	R-22		Manufacturer	
Motor HP (if available)		:	Model No.	
Motor Voltage	2081/3/		Type of Fan NA	
Motor FLA	15.4	·	Fan RPM	
Measured Amps			Fan Motor HP	
·			Fan Motor Voltage	
CONDENSER/CONDENSING UNIT	- /		Fan Motor FVA	
Water Cooled	COND	EVAP	Measured Amps	
Air Cooled			CHILLED WATER PUMPS (If more than one, how many	
Evaporative			operative during normal operation:)	
Manufacturer			Manufacturer	
Model No.			Model No.	
Size			Capacity Gals.	
Type of Fan			Head, Ft.	
Fan Motor HP	/3	3/4	Motor HP	
Fan Motor Voltage	2084/14	2081/10	Motor Voltage	_
Fan Motor FLA	2.2	4.5	Motor FLA	
Measured Amps			Measured Amps	
	f more than one	, how many oper	ate on normal operation:)	
Manufacturer Model No.		/- -		
Capacity, Gals.		-/- -		
Head, Ft.				
Motor HP	<i>I</i>	1		
Motor Voltage				
Motor FLA /	/			
Measured Amps				
REMARKS: PROPAR		, С	1)	
REMARKS: PROPAR	JE ITEATIN	4 SECTION		
			fomeif ontput	
i	0 < 4 1/			
jiva	rs ok.			

DC	OMESTIC HOT WATER HEATING SYSTEM / EQUIPME	<u>NT</u>		LOCATION FIZE
a.	Is System Supported from (check one):	· -	One System Systems per Building	π per Building
b.	Domestic Hot Water Temperatures provided:			
c.	Average Pipe Sizes of All HW Piping and A	Approximate Run of Each:	:	
d.	Is Piping System Insulated and Condition:	an 12 (M7L		
e.	Is Hot Water Circulated? 455			
	1) Condition of circulator	3) Is a	Quastat provided?	
	2) Circulator capacity 14	> 4) Aqua	Stat temperature setting	
DOI	MESTIC HOT WATER HEATING EQUIPMENT (If mor			
a.	Location	SHEO		
b.	Areas Served			
c.	Manufacturer and Model	AMERICON MOD	DSID 270-100	-(
d.	Energy (Oil, Gas, Electric, Coal, Etc.)	PROPALE		
e.	Type Heaters & Quantities:			
	1) Storage			
	2) Instantaneous			
	3) Semi-Instantaneous			
f.	Heater Size and Storage Capacity	1004AL		
g.	Heating Capacity	ZHOUBT		
h.	Type Controls (Air, Steam, Electric)	ELECTRIC		
i.	When Installed & Condition	M/ P		
j.	Heater Temperature Setting	~		
k.	Average Water Maintained Temperature	_		
1.	Temperature Differential (j) - (k)			
m.	Is Hot Water Supply Adequate:	-		
n. O.	Insulation Thickness Insulation Material	Тур	e	

3.4

アギア

exit light . egg of lype.

4.2.1 Interior Lighting

LAMPS NUMBER TOTAL HOURS DAYS LIGHTING FARSHED LAMPS LIGHTING LAMPS LIGHTING LAMPS LIGHTING LAMPS LIGHTING LAMPS LAMPS LIGHTING LAMPS LAMPS LAMPS LIGHTING LAMPS	WAPE NUMBER TOTAL HOURS/ DAYS/ LIGHTING FLOOR AREA PER ILLUM- GELLING CELLING E W F E
\$ 4 4 4 4 4 5 0 (671) (14/7R) (172) (14/7R) (171) (1/1	4 4 4 4 4 4 4 4 4 4 4 4 4 4
\$ 00 8 4	\$ 00 \$ 4 \$ 4 \$ 50 \$ 60 \$ 4 \$ 60 \$ 50 \$ 5
20 8'-0' 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	\$\frac{\partial \chi_{\chi\ti}{\chi_{\chi_{\chi_{\chi_{\chi_{\chi_{\chi_{\chi_{\chi_{\chi\ti}{\chi_{\chi\ti}{\chi_{\chi_{\chi_{\chi_{\chi_{\chi_{\chi_{\chi_{\chi_{\chi\ti}}\chi_{\chi\tin\tin\tin\tin\tin\tin\tin\tin\tin\ti
100 4 150 4 100 4 100 8 100 8 100 8 100 8 100 8 100 8	4 4 50 10-0"
150 4 15 1 160 4 160 8 160	4 cos 4 cos cos cos cos cos cos cos cos cos cos
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4 60 A 50 1020 1 .	4 60 8
60 8 60 1070 CZ 2 1070 1 2 1070 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	60 60
	•

<u>LIGHTING</u>
4.2.1

Recessed = R Suspended = S Ventilated = V Pole Mounted = PM Other--Describe

l = Corridors 6 = Offices-drafting 12 = Storage room 2 = Kitchens 7 = Laundry 13 = Retail store 3 = Dining 8 = Toilets (Px, commissary) 4 = Offices-general 9 = Sleeping quarters Other (describe on 5 = Offices-bookkeeping 10 = Supply rooms audit form) (ledgers only) 11 = Repair shops E = Exterior

Tasks Code:

If there are windows,

indicate:

Window Code:

Lamp Types:

Fixture Types:

Curtains = C Shades = S No Shading = NS

Incandescent = I Fluorescent = F Sodium Vapor = SV Mercury Vapor = MV Metal Halide = MH Other--Describe

02]															
BLDG.	REMARKS	(LIGHTS/SWITCH)				We in use		·		-				12 = Storage room	(Px, commissary) Other (describe on audit form) E = Exterior
	WINDOW		60	5											
1 17	FINISH F E W F	I K 5	5 F M										Tacke Code.	Offices-drafting	Toilets Sleeping quarters Supply rooms Repair shops
LOCATION	COLORS		Q 7 Q										, L		
רס	CE IL ING HE I GH T	(FT)	2												ping
	MEASURED ILLUMI- NATION	(FC)											0 N	Corridors	Dining Offices-general Offices-bookkee (ledgers only)
	WATTS PER SO.FT.	(W/FT ²)											L E G E	я .	
	FLOOR AREA SERVED	1	1 1										I N G)MS	
;	LIGHTING ENERGY	(KWH/YR) (FT ²)				1							LIGHTIN	If there are windows,	Curtains = C Shades = S Shading = NS
	DAYS/ YEAR ON				216HT									If there	indicate Curtains Shades No Shading
	HOURS/ DAY ON				. 71				·					l	
	TOTAL WATTS				FLOR									pes:	
SECTION	NUMBER OF FIXTIRES		8	વ	×	4	·				٠			Lamp lypes: Incandescent	Fluorescent = Sodium Vapor = Sodium Vapor = Mercury Vapor = Metal Halide = OtherDescribe
SP	LAMPS PER FIXTURE	AND WATTS/ FIXTURE	-	7	M	1/2								1	Σ
12	ł	AND WATTS	委	MV 1000		HX	·					ING ERGY		a R	i pe 3.4 s
CECTER	FIXTURE TYPE		d	₽		8						TOTAL BUILDING LIGHTING ENERGY		Fixture Types Recessed =	Suspended = S Ventilated = V Pole Mounted = PI OtherDescribe
LIGHTING	TASK CODE		Coust	-		NORTH						10T		ב <u>ו</u> "	Δ.
															LIGHTING

	•	LAMPS NUMBER TOTAL HOURS/ DAYS/ LIGHTING FLOOR WATTS ILLUMI- CEILING E W F PER OF WATTS ON ON SERVED SQ.FT. NATION HEIGHT L O I L O	ر ھ ھ ک	-46.72 A	\	\$14 tuelds	34 700 2	Z. 09/ 02	40 (2 3	46712 2 1 Longout	Fo 20 3	1 99	F40 4500 (A)		LIGHTING LEGEND:
		LAMPS PER FIXTURE	S WATTS/ FIXTURE	4			700/	- 09		1,47	1	8	1 60	4		
H 4 V	.1		WATTS	F96712 H2			34	&	74	40	746712 HO	4	HB	P	LDING ENERGY	
ł		FIXTURE TYPE		ν			8	5	5	5	5	5	2	6	TOTAL BUILDING LIGHTING ENERGY	
LIGHTING	3	TASK		waint noom	12	2	(g)		Jest hore	Cachoo	Laudry	Badroon A	4	S. C.	12	

<u>LIGHTING</u>
4.2.1

Recessed = R
Suspended = S
Ventilated = V
Pole Mounted = PM
Other--Describe

1 = Corridors 6 = Offices-drafting 12 = Storage room 2 = Kitchens 7 = Laundry 13 = Retail store 3 = Dining 8 = Toilets (Px, commissary) 4 = Offices-general 9 = Sleeping quarters Other (describe on 5 = Offices-bookkeeping 10 = Supply rooms audit form) (ledgers only) 11 = Repair shops E = Exterior

Tasks Code:

If there are windows,

indicate:

Window Code:

Lamp Types:

Fixture Types:

Curtains = C Shades = S No Shading = NS

Incandescent = I Fluorescent = F Sodium Vapor = SV Mercury Vapor = MV Metal Halide = MH Other--Describe

2			1				74		4			$\neg \top$				
BLDG. 72		REMARKS	(LIGHTS/SWITCH)	3500	Isw		ospsw fahota	s.ms.ks	< swulfan							
7/		WINDOW CODE														
	COLORS FINISH	347- F-100	د 2 ت													
LOCATION	103	ОШНЦН	(FT) G	8.0′	-									-		
,		MEASURED ILLUMI - CEILING NATION HEIGHT	(FC)	3	١	ટ્ર	1	h	1	30						E N D :
		WATTS PER SQ. FT.	(W/FT ²)													L E G
		FLOOR AREA SERVED												·		5 Z
		LIGHTING FLOOR AREA ENERGY SERVED	(KWH/YR) (FT ²)													L I G H T
		DAYS/ YEAR ON														
d		HOURS/ DAY ON														
F100P		TOTAL														
		LAMPS NUMBER PER OF FIXTURE FIXTURES		(2)	4	2	જ	7.	7	1	ત	9	رد	ė	:	
2 Z Z		LAMPS PER F1xTURE AND		7	140	1	1550	St 1	7	$\frac{1}{2}$	1	1	1	1		
1 3		LAMP TYPE AND	WATTS	F 34	H B	F 34	Heat 250	5 t	π _e 4	НЯ	F34	F34	F34	死	ING ERGY	<u> </u>
SIDE		FIXTURE		Su	MACK I 40	S	«	S	8	S	S	9	S	9	TOTAL BUILDING LIGHTING ENERGY	
EAST		TASK		Clouna		12A	es			17.8	ى 4	98	2	_	10T	
				1	1	/		J	/		/	,	1	,		-

LIGHTING 4.2.1

Recessed = R Suspended = S Ventilated = V Pole Mounted = PM Other--Describe

12 = Storage room
13 = Retail store
(Px, commissary)
Other (describe on audit form)
E = Exterior

1 = Corridors 6 = Offices-drafting 2 = Kitchens 7 = Laundry 3 = Dining 8 = Toilets 4 = Offices-general 9 = Sleeping quarters 5 = Offices-bookkeeping 10 = Supply rooms (ledgers only) 11 = Repair shops

If there are windows, indicate:

Window Code:

Lamp Types:

Fixture Types:

Curtains = C Shades = S No Shading = NS

Incandescent = I Fluorescent = F Sodium Vapor = SV Mercury Vapor = MV Metal Halide = MH Other--Describe

Tasks Code:

LOCATIO	MC	Fitc_
- BLDG.	NO.	120

4.4 SPECIAL ELECTRIC EQUIPMENT

IDENTIFICATION NO.	LOCATION (ROOM)	(MANUFACTURER, MODEL NO.)	CONNECTED LOAD KW	REMARKS
	EAST SIDE KITCHEN	PROPANE STOUE TOPS 2 EACH	2	
		HICROWAUE	750W	
		Ges Ronge over Coffee Machine - Compressed.	750W	
		Gas Ronge over		
		Commorcial.		
		ZEA-REACH-IN REFR'S		
		garage are		
	1			
	1			
			•	
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			I.	

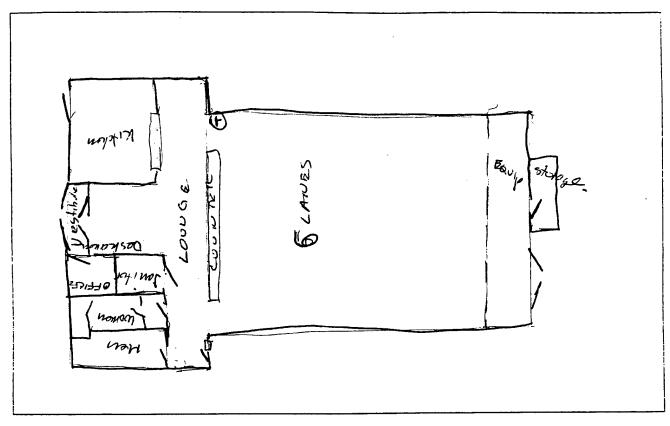
CATION	SURVEYED BY 15 175	DATE
LDING NUMBER P-121	SURVEYED BY 13 14 FUNCTION/USE BOWLING	CENTER
ERAL BUILDING DATA		
BUILDING AGE: YE	ARS New	
DUPLICATE BUILDING NOS:		TOTAL:
SIMILAR BUILDING NOS:		TOTAL:
BUILDING OCCUPANCY: Indicate (number and) duratio	CONTINUOUS (24 HRS/DAY)	NO. OF OCCUPANTS
	0ADS:	

VENTILATED ___

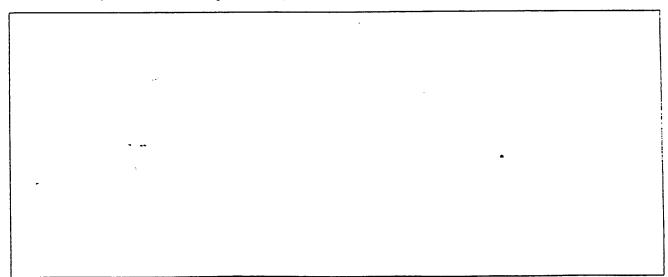
ATTIC:

* 2.2 BUILDING FLOOR PLAN AND ELEVATION SKETCHES

FLOOR PLAN (Show dimensions and zones)



SOUTH ELEVATION (Show floor to ceiling elevations)



BUILDING FLOOR PLAN AND ELEVATION SKETCHES

	REMARKS ***, ***			-															- CASEMENT - LOUVERED - FIXED GLASS
INFILTRATION	CRACK LENGTH	0																WINDOW TYPES:	4 m m
1	FIT LOOSE AUG																	WINDC	- DOUBLE HUNG - SINGLE HUNG - SLIDING
	W/S YES I NO																		1 - 00 2 - 51 3 - 5L
TYPE	OF FRAME**																	ان	EN 3
	TRPL			(U-VALUE	•	****VISIBILITY:	E - AWNING F - SOLAR SCREEN G - OVERHANG OTHER - SPECIFY
GLAZ I NG*	180			1												=	::	\$1 / **	- SOLA - SOLA - OVEF
G.A.	TYPE	7	3)													LEGEND:	Į.	шшоб
SIZE	-	2872	34x83	4848														JING:	- SOLAR FILM - VEN BLIND - STORM WINDOW - DRAPES
	¥															AREA	-	***SHADING:	SOLAR VEN BI STORM DRAPE
	3										<u> </u>			<u> </u>		TOTAL AREA		•	4 m u o
	₹S							-	-	-			<u> </u>						BREAK
NUMBER EXPOSURE	SE S		-	_	ļ				-	<u> </u>	-		-					••	1
	3					_	-								-			**FRAME:	/THER
	NE NE				_		-			 		<u> </u>]		*	- WOOD - METAL - METAL/THERMAL
	Z		7																32F
	TYPE	11	My th		-														RBING
/8000	WINDOW DESIG.	Mudaw	Bool	Dor Weter														*GLAZTRG:	1 - ORDINARY 2 - 14" PLATE 3 - HEAT ABSORBING

BUILDING ENVELOPE		Refer to Plo	Blde	LOCATION BLDG. NO	ON FHL
CONSTRUCTION			•	_	
WALL	COLOR: D] M L	ROOF (INCL. CLG.)	TYPE: F COLOR: D	P M L
MATERIAL	THICKNESS (IN.)	R VALUE	MATERIAL	THICKNESS (IN.)	R VALUE
OUTSIDE FILM			OUTSIDE FILM		
5000	5/8"				
METAL STUDS	-				
PE Insul					
bell Board	1/2				
INSIDE FILM	p one a breth p		INSIDE FILM		
FLOOR SOG			DOOR		
MATERIAL	THICKNESS (IN.)	R VALUE	MATERIAL	THICKNESS (IN.)	R VALUE
MIIF BGISTUO	1 1				
			OUTSIDE FILM		
			OUTSIDE FILM		
			OUTSIDE FILM		
			OUTSIDE FILM		
INSIDE FILM			OUTSIDE FILM INSIDE FILM		
INSIDE FILM	TOTAL			TOTAL	
INSIDE FILM	TOTAL AREA			TOTAL	

ı 1	teating			LOCATION _ BLDG. NO	FF
DOLING EQUIPMENT 4	1014 11 1				1, 5
	ER PAZKAGED AH	v			
COMPRESSOR(S)/CHILLE	-		COOLING TOWER		
Manufacturer	CARRIER		Gravity		
Model No.	48DD024		Mech. Draft		
Size	 -		Manufacturer		
Refrigerant	R-22		Model No.		
Motor HP (if avail		· · · · · · · · · · · · · · · · · · ·	Type of Fan		
Motor Voltage	2001/34	<u> </u>	Fan RPM		
Motor FLA	80		Fan Motor HP		
Measured Amps	74/68/82 7	SOR ON	Fan Motor Voltage		
CONDENSER/CONDENSING		2016 040	Fan Motor FLA		
Water Cooled	Size One	EVAP/SUPPL	Measured Amps		
Air Cooled		FA	CHILLED WATER PUMPS (I	f more than one.	how
Evaporative			operative during norm		
Manufacturer	 .		Manufacturer		
Model No.			Model No.		
Size			Capacity Gals.		
Type of Fan			Head, Ft.		
Fan Motor HP	2 e.7HP	SHP	Motor HP		
Fan Motor Voltage	200V/10	2001/34	Motor Voltage		
Fan Motor FLA	7.6	16.2	Motor FLA		
Measured Amps			Measured Amps		
CONDENSER WATER PUM	PS (If more than one	, now many opera	te on normal operation:		
Manufacturer					
Model No.					
Capacity, Gals. Head, Ft.					
-					
Motor HP					
Motor Voltage			<u>.</u>		
Motor FLA	· · · · · · · · · · · · · · · · · · ·				
Measured Amps					
REMARKS:	WPANE ITEAT	1,24 - 4	TNG LI HAM GO		
		3	60 mbh ontpat		

LOCATION TITE
BLCG. NO. 121

3.3 AIR HANDLING EQUIPMENT

FANS			
Type	s each		
Unit/Zone	Rosof Extractor		
Manufacturer			
Model No.			
Туре			
RPM of Fan			
Motor HP	1/3 HP early x 6/3	above più setters;	
Motor Volts		oboue lounge: oxe forket	-6-
Motor FLA		- Court	
Measured Amps			
CFM (from Plans)			
Notes			
COILS	Relay to affair	had notes	
COILS Indicate capaciti	Refer to attace	ched notes	
	Refer to alter es where found: COOLING		
	es where found: COOLING	HUMIDIFICATION	
	es where found: COOLING DX	HUMIDIFICATION ELEC	
	es where found: COOLING DX H ₂ 0	HUMIDIFICATION ELEC STEAM	
	es where found: COOLING DX H ₂ O OTHER	HUMIDIFICATION ELEC STEAM	
	es where found: COOLING DX H ₂ O OTHER HEATING	HUMIDIFICATION ELEC STEAM H ₂ 0 OTHER	
	es where found: COOLING DX H ₂ O OTHER HEATING GAS	HUMIDIFICATION ELEC STEAM H ₂ O OTHER AUX/MISC OTHER	
	es where found: COOLING DX H ₂ O OTHER HEATING GAS H ₂ O	HUMIDIFICATION ELEC STEAM H ₂ O OTHER AUX/MISC OTHER	
COILS Indicate capaciti	es where found: COOLING DX H20 OTHER HEATING GAS H20 ELEC	HUMIDIFICATION ELEC STEAM H ₂ O OTHER AUX/MISC OTHER	
	es where found: COOLING DX H ₂ O OTHER HEATING GAS H ₂ O	HUMIDIFICATION ELEC STEAM H ₂ O OTHER AUX/MISC OTHER	
	es where found: COOLING DX H20 OTHER HEATING GAS H20 ELEC	HUMIDIFICATION ELEC STEAM H ₂ O OTHER AUX/MISC OTHER	
Indicate capaciti	es where found: COOLING DX H20 OTHER HEATING GAS H20 ELEC	HUMIDIFICATION ELEC STEAM H ₂ O OTHER AUX/MISC OTHER	
Indicate capaciti	es where found: COOLING DX H20 OTHER HEATING GAS H20 ELEC	HUMIDIFICATION ELEC STEAM H ₂ O OTHER AUX/MISC OTHER	

LOCATION FOR
e System per Building ing
142.
setting
Kilchen Storage Room
Smith WBA 50801
gal 37000 BJUH
121°P

3.4	DOMESTIC HOT	WATER	HEATING	SYSTEM	/EQUIPMENT
-----	--------------	-------	---------	--------	------------

a.	Is System Supported from (check one):	Central Plant	Central Plant One System per Building		
			Several Small Systems per Building		
ь.	Domestic Hot Water Temperatures provided:	121	°F	142	
с.	Average Pipe Sizes of All HW Piping and A	Approximate Run of Each:			
		- 1' bott			
d.	Is Piping System Insulated and Condition:				
₽.	Is Hot Water Circulated?	,, 0			
	1) Condition of circulator		rovided?		
	2) Circulator capacity	4) Aquastat temp	erature setting		
<u> 100</u>	MESTIC HOT WATER HEATING EQUIPMENT (If mor	re than one location, list each o	ne)		
١.	Location	STORAGE ROOM /SI TOP	Kida	WEA 5080	
٠.	Areas Served	SINK in Storageloon			
:.	Manufacturer and Model	Alo smith	A/OSMIte	, W6A 5080	
ı.	Energy (Oil, Gas, Electric, Coal, Etc.)	RLEC KEN 6 790	Propose	<u>-</u>	
٠.	Type Heaters & Quantities:	,			
	1) Storage	b gal_	31 gal	37000 BJUH	
	2) Instantaneous	·	<u> </u>		
	3) Semi-Instantaneous				
	Heater Size and Storage Capacity	6 gal			
	Heating Capacity	1250W			
	Type Controls (Air, Steam, Electric)				
	When Installed & Condition				
	Heater Temperature Setting				
	Average Water Maintained Temperature		12	108	
	Temperature Differential (j) - (k)	142°F			
١.	Is Hot Water Supply Adequate:				
	Insulation Thickness	Type			
٥.	Insulation Material		;		

Lavin Mit.
Storage news news approachers
Needs news approachers

DOMESTIC HOT WATER SYSTEM/EQUIPMENT

CONTROL/MISCELLANEOUS PROCESS/SKETCHES	BLDG. 110. 121
CONTROL/MISCELEARCORS FROCESS/SKETCHES	
CONTROL SYSTEM:	
CONTROLLERS: ELECTRIC PNEUMATIC OPERATION: MANUAL ELECTRONIC CONTINUOUS	TIME CLOCK
ELECTRONIC CONTINUOUS	EMCS
DEMAND	
MFG FONEYWELL MODEL TETAR 1150 LOCATION_	
CONDITION (GIVE DETAILED LIST OF PROBLEMS AS REQUIRED):	
	_
Tong 68°F Honewell	
Tong 68° F Honewell instale 74 A1150	
and Il lies & dooling	
separate flooring & dooling setpoints not programmable	
- 12 4 Set on - 2500 40 1900 A	navi cond.
Time Clock III	
Time Clock Set on=0500 de 1900 p Iday huer - no day pins.	

INC. lights outside = 8 mon de 0530

AMP LAMPS NUMBER TO MANDER TO MAND PER PER PER TYTURES WAD AND MATTS, WATTS, WATTS, WATTS, WATTS, WATTS, WATTS, WATTS, WATTS, WATTS, WAS A LOO & South A LOO & LOO & South A LOO & L
A SEE SEE SEE SEE SEE SEE SEE SEE SEE SE

LIGHTING 4.2.1

LOCATION	Fit
BLDG. NO.	12.1

4.	2	LIGHTING	(continued)
~ા •	_		(00110111000)

4.2.2 Exterior Lighting

ACTUAL NO. OF FIXTURES 1 Z	TYPE OF FIXTURE Recogned Inc.	NO. OF FIXTURES IN USE	WATTS/ FIXTURE	TOTAL	CONTROL TYPE*	<u>REMARKS</u>
711) 4	Pole.	4				
* M = Manua	 1	P = Phot		Enter so	chedule un	der Remarks.

CALCULATIONS

WATTS OF INTERIOR LIGHTING

Actual at time of survey_

Total installed

WATTS OF EXTERIOR LIGHTING

Actual on at time of survey

Total installed_

LOCATI	on F	The	
BLDG.	. NO.	121	

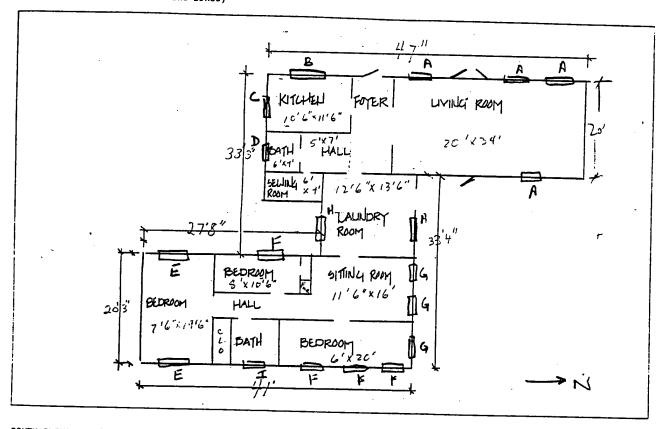
4.4 SPECIAL ELECTRIC EQUIPMENT

IDENTIFICATION NO.	LOCATION (ROOM)	DESCRIPTION (MANUFACTURER, MODEL NO.)	CONNECTED LOAD KW	REMARKS
·	Pin Set	Più Selfrs	,	
	Kelcien	Flec Griddle loa		
		Deep Fat Gronger Zen		
		Bun wermer		·
		Reach - in ColdBox		
		Cold story		
		Reach. In Rel R-12		
		Compr	115V month	7.9 57.0
		Cond fon	-	0.4 -
		6194ts	40	· - -
		Condons ale H+1	LV 600	0.9 -
	1 4	Convection Oun		
	Lough	Vidoo Gannes Zan.		
		Water Coolor		
		PC		
		TV		
		Pin Waster		
	k	Bull wester.		
	Allons	Ballwester. Computers 3a Pinsalbis Gea		
	<u> </u>	Pinsalbis Gea		

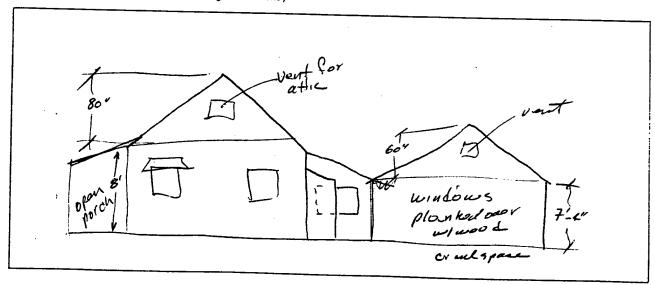
CATION																DATE_	007	192
DING NUMBER_	-	T-124			F	UNCTIO	N/USE		FAM	ILY	H	NS:	16					
RMATION SOUR	CE (DW	G. NO./	PERSON	i)	IN	SPEC	£13h	7										
RAL BUILDING	DATA																	
BUILDING AGE	:			YEARS	; -	۔ ان	DÉQ				:							
DUPLICATE BU	ILDING	NOS: _					-				:							
															10	HAL:		
SIMILAR BUIL	DING N	ios:																
								· ·				-			TO	TAL:		
BUILDING OCC	UPANCY	':		CONT	וסטאו	S (24	HRS/D	AY) [\sum				NO	. OF	OCCUP	ANTS_		_
Indicate	(numb	er and)	durat	ion of	Foccu	pants	each	day						•				
🗀 .			Т		1	1	1		1 1	ī		, ,	,				1	ı
M	-		+					-			+			_	_	-		
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U	2	4	6	•	8	10		12	14		16	1	8	20		22	2	4
MISCELLANEOU	IS EQUI	PMENT:																
										-								
									-									
												• • • • • • • • • • • • • • • • • • • •						
ADDITIONAL (OMMENT	S, CRIT	ICAL L	.OADS:														
				•								·						
"													,					
				•														
CRAWL SPACE:	VEI	NTILATED		EXI	HAUSTE	ED	٨	υO	SK	n Ti	X47							

2.2 BUILDING FLOOR PLAN AND ELEVATION SKETCHES

FLOOR PLAN (Show dimensions and zones)



SOUTH ELEVATION (Show floor to ceiling elevations)



BUILDING FLOOR PLAN AND ELEVATION SKETCHES

					T												
	REMARKS																CASEMENT LOUVERED
INFILTRATION	CRACK						-										WINDOW TYPES:
	FIT LOOSE AUG	7	7	`	7	3	\	7		``							MINDOI DOUBLE HUNG SINGLE HUNG
	<u>~</u> 2	1			\		\	/	2								- 51N
	W/S		7	7		/				>							-22
TYPE	OF FRAME**	М	Σ	M	Ŋ	٤	3	3	3	¥							A
	TRPL														U-VALUE	•	STLITY NG R SCRE
GLAZ ING*	DBL														N-N	••	****VISIBILITY: E - AWNING F - SOLAR SCREEN
GLA.	TYPE	_	_	1	~	_	_			-						EGEND	# ш с
SIZE	-	36" x 60"	.09xb9	38″⊀ 33″	W. K36.	67°x33°	24"x36"	24,435	46,838,	hr,"u						L E G	'i i
П	¥	- 61		(4)	-7	<u> </u>	7								REA	_1	SOLAR FILM VEN BLIND
	3	2	_			_	-								TOTAL AREA		4 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -
	MS														٦		,
NUMBER	S			_					_								
EXP.																	**FRAME: L
	ш	_					~			_	<u> </u>	1].		**FRAME: WOOD METAL
	¥											-	-	-	<u> </u>		
\vdash	N Z	-						2							-		132
_	TYPE	_	3	~	_	~	=	3	. ~	W		-	-				
/ 8000	WINDOW DESIG.	K	8)	P	m	上	5	エ	4							*GLAZING: 1 - ORDINARY 2 - 1," PLATE

				0E00. 14	10. <u>T-17</u>
ONSTRUCTION		~		TYPE: F	p 🔀
ALL ALL	COLOR: D	M L	ROOF (INCL. CLG.)	COLOR: D	
MATERIAL	THICKNESS (IN.)	R VALUE	MATERIAL	THICKNESS (IN.)	R VALUE
OUTSIDE FILM			OUTSIDE FILM		
Moro Sional	·		Como Stravace		
BATT INSAL	3,		WOUD SINGATUL	,	
GARBOARD			AIRSPACE		
			GYPENARD		
INSIDE FILM			INSIDE FILM		
	TOTAL	 		TOTAL	
-FACTOR LOOR	AREA		U-FACTOR DOOR	AREA	
LOOR		D. VALUE	DOOR		D. WALLE
LOOR	THICKNESS (IN.)	R VALUE	DOOR	THICKNESS (IN.)	R VALUE
LOOR		R VALUE	DOOR		R VALUE
LOOR		R VALUE	DOOR		R VALUE
LOOR		R VALUE	DOOR		R VALUE
LOOR		R VALUE	DOOR		R VALUE
LOOR		R VALUE	DOOR		R VALUE
LOOR		R VALUE	DOOR		R VALUE
LOOR MATERIAL OUTSIDE FILM		R VALUE	MATERIAL OUTSIDE FILM		R VALUE
LOOR MATERIAL OUTSIDE FILM	THICKNESS (IN.)	R VALUE	MATERIAL OUTSIDE FILM	THICKNESS (IN.)	R VALUE

LOCATIO	on FAL
BLDG. NO.	124

3.1 HEATING EQUIPMENT

Heat Source: Furnace Steam Hot Water Boiler Boiler	Heat Supp	lied Steam or Hot W ernal Boiler Plant	laterOther_		
Capacity: ± 80 M Btu/Hr or	Boiler HP or _	Lbs/Hr	Steam or	GPM Hot Wat	:er
Manufacturer:		Model No.:			
Boiler/Furnace Control: Manual	Time Clock	Demand	EMCS	0 ₂ Tr	·im
Operating Temperature:	°F	Operating Pressure	e:	р	SI
Fuel: Nat. Gas Only Nat. Gas/ Nat. Gas/ Other (Specify) PROPA	1 <u>£</u>	Draft:	Forced Induced		
Burner: Mfg	Model No	N	Metering Equipment	Yes	No
Operating Schedule: Weekdays:	From	То	Hr/Day		
Weekdays & Holidays:	From				
Operating Season:	From	Mon/Day,	to	Mon/D	ay
Flue Gas Temperature:°F	Receiver Tank Condi	tions:	PSIG		۰Ę
If supplied Steam or Hot Water: Steam Pressure Insulation: (1) Boiler	_PSI Hot Water Suppl		Hot Water Return		.°F
Poor Area	F				— T2
			Temp.		°F
Pump: No. of Pumps		V/PH/FLA	/		
Mfg	Mode1		НР	RPM	_
HW Pump Starter: HOA Res	et P/B S/S Push	Button Interlo	ocked with Boiler?	Yes	No
FOR LARGE BOILERS (over 6,000 MBTUH): Con	mbustion Control Mfg.		Mode1		
Condensate Pumps/Hot Water Pumps: Mfg		Model		HP	
Boiler/Furnace Condition:					
Describe					_
Occupant Discomfort (Evaluate):					<u>-</u>
					_

COMPRESSOR(S)/CHILLER SPLIT SYSTEM	COOLING TOWER
Manufacturer CARRIER	Gravity
Model No. 38 EH 030340	Mech. Draft
Size	Manufacturer
Refrigerant R-22	Model No.
Motor HP (if available)	Type of Fan
Motor Voltage 208V/12	Fan RPM
Motor FLA 15.1	Fan Motor HP
Measured Amps 11A@ 230V	Fan Motor Voltage
	Fan Motor FLA
CONDENSER/CONDENSING UNIT	Measured Amps
Water Cooled	
Air Cooled	CHILLED WATER PUMPS (If more than one, how many
Evaporative	operative during normal operation:)
Manufacturer	Manufacturer
Model No.	Model No
Size	Capacity Gals.
Type of Fan	Head, Ft.
Fan Motor HP Y8 14P	Motor HP
Fan Motor Voltage 2081/16	Motor Voltage
Fan Motor FLA .90	Motor FLA
Measured Amps	Measured Amps
ONDENSER WATER PUMPS (If more than one, how	many operate on normal operation:)
Manufacturer	
Model No.	
Capacity, Gals.	
Head, Ft.	
Head, Ft. Motor HP	
Motor HP	
Motor HP	
Motor HP Motor Voltage Motor FLA Measured Amps	2 Professo Fundação
Motor HP Motor Voltage Motor FLA Measured Amps	2 Professor renance

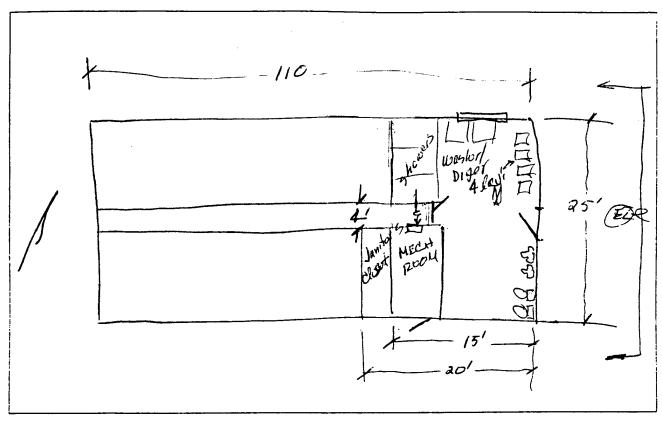
DOM	MESTIC HOT WATER HEATING SYSTEM/EQUIPME	-A:T	LOCATION BLOG. NO. 17
<u> </u>	ESTITE NOT WATER MEATING STSTEM / EQUIPME	<u>:N1</u>	
a.	Is System Supported from (check one):	Central Plant Several Small Syst	One System per Building
ь.	Domestic Hot Water Temperatures provided	:	°F `
ε.	Average Pipe Sizes of All HW Piping and	Approximate Run of Each:	
	·		
1.	Is Piping System Insulated and Condition	:	
≥.	Is Hot Water Circulated?		
	1) Condition of circulator	3) Is aquas	tat provided?
	2) Circulator capacity	4) Aquasta	temperature setting
	Location Areas Served	A12-	
	Areas Served	ALL	
	Manufacturer and Model	DAYTON BESILZ	
	Energy (Oil, Gas, Electric, Coal, Etc.)	Prupruz	
•	Type Heaters & Quantities:		
	1) Storage	406AL	
	2) Instantaneous		
	3) Semi-Instantaneous		
	Heater Size and Storage Capacity		
.	Heating Capacity	34 mist	
	Type Controls (Air, Steam, Electric)		
. 1	When Installed & Condition		
. 1	Heater Temperature Setting		
. /	Average Water Maintained Temperature	160.4	
	Temperature Differential (j) - (k)		
•	Is Hot Water Supply Adequate:		
	Insulation Thickness		

7		- 	<u> </u>	-	 		T	Τ	T		Т	<u> </u>	T	1	
BLDG. 174	REMARKS	(LIGHTS/SWITCH)					·								12 = Storage room 13 = Retail store (PX, commissary) Other (describe on audit form) E = Exterior
アゴ	WINDOW														
7	± 4-100	~	1	1		+	†-	 	 	-			1		Tasks Code: Offices-drafting Laundry Toilets Sleepring quarters Supply rooms Repair shops
	FINISH E B I I I I I I I I I I I I I I I I I I					1	 				 		1		drai que poms
	E 000-1-	Z (5)										 	1	ĺ	Tasks Code: Offices-dra Laundry Toilets Sleeping qui Supply room: Repair shops
ا ا	\$												1		Offices Offices Laundry Toilets Sleeping Supply Repair
LOCATION	COLORS			ļ	<u> </u>	<u> </u>				L					F 23528
707		Z Ø	-	 	<u> </u>	<u> </u>									9 6 9 5
	CEIL ING HEIGHT	E													al eeping
	MEASURED 11LLUMI - CEILING NATION HEIGHT	(FC)												N D :	Corridors 6 = Kitchens 7 = 0 = 0 = 0 = 0 = 0 = 0 = 0 = 0 = 0 =
	WATTS PER SQ.FT.	(W/FT ²)												LEGEN	2
	FLOOR AREA SERVED	1												9	
	LIGHTING ENERGY S	(KWH/YR) (FT ²)												LIGHTING	Mindow Code: If there are windows, indicate: Curtains = C Shades = S No Shading = NS
	DAYS/ YEAR ON													اد	Window Code: there are wind indicate: Curtains = C Shades = S No Shading = NS
7579	HOURS/ DAY ON														1=
	TOTAL WATTS			:											int " I nt " I or " SV or " MV de " MH
Re Towky	NUMBER OF FIXTURES			_		:									Incandescent = Fluorescent = Fluorescent = Sodium Vapor = Mercury Vapor = Metal Halide = Other-Describe
ا ا		FIXTURE													Ne S S S S S S S S S S S S S S S S S S S
Potental	LAMP TYPE AND WATTS	134										:	NG RGY		S S S S S S S S S S S S S S S S S S S
	FIXTURE	Zwith.					•						TOTAL BUILDING LIGHTING ENERGY		Recessed * R Suspended * S Ventilated * V Pole Mounted * PM OtherDescribe
LIGHTING	TASK	4	-										TOTAI L.i.GH1		Sus Sus Vent Pole M

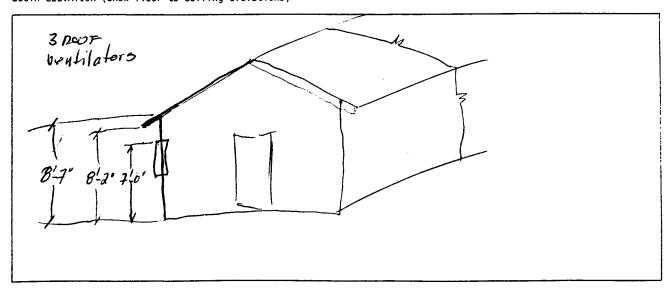
1 ARCHITECTURE - MISCELLANE		B DATE 295EP92
RMATION SOURCE (DWG. NO./PERSON)	inspection	
RAL BUILDING DATA		
BUILDING AGE: NA YEAR	S	
DUPLICATE BUILDING NOS:		
		TOTAL:
SIMILAR BUILDING NOS:		
SIMILAR BUILDING NOS.		TOTAL:
BUILDING OCCUPANCY: 10 PN CON Indicate (number and) duration o		NO. OF OCCUPANTS
indicate (number and) duration o	occupants each day	
M		
Т		
W		
F		
S.		
s		
0 2 4 6	8 10 12 14 16	
MISCELLANEOUS EQUIPMENT: Washe	r & Drypr Celco	tor connoction
	osker has hot we	Tor connection
Water	. COOPEY.	
ADDITIONAL CONTINUE CONTINUE LOADS		
ADDITIONAL COMMENTS, CRITICAL LOADS:		
CRAWL SPACE: VENTILATED E	HAUSTED NONE - S	06
ATTIC: VENTILATED E	HAUSTED	

2.2 BUILDING FLOOR PLAN AND ELEVATION SKETCHES

FLOOR PLAN (Show dimensions and zones)



SOUTH ELEVATION (Show floor to ceiling elevations)



BUILDING FLOOR PLAN AND ELEVATION SKETCHES

		Ι,		Т		Ì		i	i	i				
	REMARKS *** ***	News. Windows	Door Bothon											CASEMENT LOUVERED FIXED GLASS
INFILTRATION	CRACK	3466												MINDOW TYPES: NG 4 - NG 5 -
I	FIT LOOSE AUG	ANG.												MIND 1 - DOUBLE HUNG 2 - SINGLE HUNG 3 - SLIDING
	W/S		7											1 - DO 2 - SI 3 - SL
ТҮРЕ	*	Z	3											REEN IFY
GLAZING*	DBL TRPL											U-VALUE		****VISIBILITY: E - AWNING F - SOLAR SCREEN G - OVERHANG OTHER - SPECIFY
GLAZ	TYPE	,	J										LEGEND	
SIZE	L X	66 430"	36x 84										اد	***SHADING: 1 - SOLAR FILM 3 - VEN BLIND - STORM WINDOW - DRAPES
	M.						-					TOTAL AREA		***SH A - SOLA B - VEN C - STOR D - DRAP
	MS	0										P		
NUMBER EXPOSURE	SE S	9												AME: ERMAL BREAK
	NE E	0	_											**FRAME: MOOD METAL METAL/THERMAL BR
	z	0									-			32-
	TYPE	3	4											*GLAZING: ORDINARY 1 ₄ " PLATE HEAT ABSORBING TINTED
DOOR/	WINDOW DESIG.	5410126 14170005	DOORS								ADCUT	TECTUR	ATU IA	2 S S S S S S S S S S S S S S S S S S S

							• • • • • • • • • • • • • • • • • • • •
BUILDING ENVELOPE						BLDG. N	ON <u>FK</u> O. <u>127</u>
CONSTRUCTION					< <u> </u>	TYPE: F	Р
NALL SEE SICE	Tut COLOR: D	М	L 🗀	ROOF (INCL. CLG.)-SICETUIF	COLOR: D	
MATERIAL	THICKNESS (IN.)	R VALUE		MATERIAL	THICK	(NESS (IN.)	R VALUE
OUTSIDE FILM				OUTSIDE FILM			
		<u>ن</u>					
INSIDE FILM				INSIDE FILM			
	TOTAL					TOTAL	
							<u> </u>
U-FACTOR	AREA			U-FACTOR	<u>.</u> <u></u>	AREA	
FLOOR SOG	Carpe			DOOR Wood		_! 3'' 5041	
<u> </u>		e fring R VALUE				<u>!</u>	
FLOOR SOG	Carpe			DOOR Wood		_! 3'' 5041	
FLOOR SOG	Carpe			DOOR Wood MATERIAL		_! 3'' 5041	
FLOOR SOG	Carpe			DOOR Wood MATERIAL		_! 3'' 5041	
FLOOR SOG	Carpe			DOOR Wood MATERIAL		_! 3'' 5041	
FLOOR SOG	Carpe			DOOR Wood MATERIAL		_! 3'' 5041	
FLOOR SOG	Carpe			DOOR Wood MATERIAL		_! 3'' 5041	
FLOOR SOG	Carpe			DOOR Wood MATERIAL		_! 3'' 5041	
MATERIAL OUTSIDE FILM	Carpe			MATERIAL OUTSIDE FILM		(NESS (IN.)	
MATERIAL OUTSIDE FILM	Carpe THICKNESS (IN.)			MATERIAL OUTSIDE FILM		(NESS (IN.)	

1/2 phywood siding studes

1/2 phywood siding studes

1/2 phywood siding Board

WALL

pot Insutated of

ROOF

LOCATION	FHL
BLDG. NO.	137

3.1 HEATING EQUIPMENT

Heat Source: Furnace Steam Hot Water Heat Supplement Heat Supplement Heat Supplement Heat Supplement Heat Supplement Heat Supplement Heat Supplement Heat Supplement Heat Supplement Heat Heat Supplement Heat Supplement Heat Supplement Heat Supplement Heat Supplement Heat Heat Supplement Heat Heat Supplement Heat Heat Supplement Heat Heat Supplement Heat Heat Supplement Heat Heat Supplement Heat Heat Heat Supplement Heat Heat Heat Heat Heat Heat Heat Hea	lied Steam or Hot Water ernal Boiler Plant)	Other	
Capacity: 112,500 Btu/Hr or Boiler HP or 90,000 Btu/Hr Bonnot			
Manufacturer: KRESKY , Potaluma	Model No.:	<u> </u>	
Boiler/Furnace Control: Manual Time Clock			O ₂ Trim
Operating Temperature: 120/100 °F	Operating Pressure:	NA	PSI
Fuel: Nat. Gas Only Nat. Gas/		Forced Induced	
Other (Specify) PROPANE		•	
Burner: Mfg. SAME Model No	Meteri	ng Equipment:	Yes
Operating Schedule: Weekdays: From		Hr/Day	
Cohnwoos, Weekdays & Holidays: From	То		
Brnor Cound Operating Season: From	Mon/Day, to		Mon/Day
Devine the original operating season:			
on with pilos lit. Flue Gas Temperature:°F Receiver Tank Condi	tions:	PSIG	°F
If supplied Steam PressurePSI Hot Water Supplor Hot Water:	y Temp°F Ho	t Water Return	Temp°F
Insulation: (1) Boiler Done	(2) Other (Specify)		
Doon ' Area	-T ² Poor Area		FT2
None Temp.	°F None Temp	•	°F
None			
Pump: No. of Pumps	V/PH/FLA	_/	_/
MfgModel		HP1	RPM
HW Pump Starter: HOA Reset P/B S/S Push			Yes No
FOR LARGE BOILERS (over 6,000 MBTUH): Combustion Control Mfg		Mode1	
Condensate Pumps/Hot Water Pumps: Mfg	Model		_ HP
Boiler/Furnace Condition:		, <u>.</u>	
Describe			
Occupant Discomfort (Evaluate):	sm plaints		

3.2 COOLING EQUIPMENT

COMPRESSOR(S)/CHILLER	COOLING TOWER
Manufacturer	Gravity
Model No.	Mech. Draft
Size	Manufacturer
Refrigerant	Model No
Motor HP (if available)	Type of Fan
Motor Voltage	Fan RPM
Motor FLA	Fan Motor HP
Measured Amps	Fan Motor Voltage
CONDENSER/CONDENSING UNIT	Fan Motor FLA
	Measured Amps
Water Cooled	
Air Cooled	CHILLED WATER PUMPS (If more than one, how many
Evaporative	operative during normal operation:)
Manufacturer	Manufacturer
Model No.	Model No.
Size	Capacity Gals.
Type of Fan	Head, Ft
Fan Motor HP	Motor HP
Fan Motor Voltage	Motor Voltage /
Fan Motor FLA	Motor FLA
Measured Amps	Measured Amps
CONDENSER WATER PUMPS (If more than one,	how many operate on normal operation:)
Manufacturer	
Model No	
Capacity, Gals.	
Head, Ft	
Motor HP	
Motor Voltage	
Motor FLA	
Measured Amps	
REMARKS: EVAP COOLER ON RO	
CABINET SIZE; A	
LOAD 106 V & 10.	9 Amps, 10 60Hz.
C	
Sorues	

3.3 AIR HANDLING EQUIPMENT

FANS

INIO				
Туре	EVAP COOLE	<u>e</u>		
Unit/Zone	#	<u> </u>	#	<u> </u>
Manufacturer				
Model No.	previous			
Туре				
RPM of Fan	5 heet			
Motor HP				
Motor Volts				
Motor FLA				
Measured Amps				
CFM (from Plans)				
Notes				
COILS				
Indicate capacities	where found:			, **
	COOLING		HUMIDIFICATION	
	DX		ELEC	
	H ₂ 0		STEAM	
	OTHER			
	L—HEATING		OTHER	· · · · · · · · · · · · · · · · · · ·
1 H	GAS		AUX/MISC OTHER	
	H ₂ 0		NOX/NESC OTHER	
***	ELEC			
	OTHER			
FILTERS				
Туре				
Condition				

1/ Record only if manometer is installed on the unit.

Manometer Reading $\underline{1}/$

DOI	MESTIC HOT WATER HEATING SYSTEM / EQUIPM	FNT	LOCATION FH
a.	Is System Supported from (check one):	Central Plant	$\overline{\nu}$ One System per Building
		Several Small Systems pe	r Building
ь.	Domestic Hot Water Temperatures provided	i:	²F
c.	Average Pipe Sizes of All HW Piping and	Approximate Run of Fach:	
	1" supply & outlet		
d.	Is Piping System Insulated and Condition	" NO Insulati	ron
e.	Is Hot Water Circulated? 100,		
	1) Condition of circulator	3) Is aquastat p	
	2) Circulator capacity		
אחת	MESTIC HOT WATER HEATING EQUIPMENT (If mo		
<u> </u>	ESTIGNON MATERING EGOTPHENT (11 IIII)	re than one location, list each of	ie)
a.	Location	Mochani al Room	
b.	Areas Served	Intime Bldg	
c.	Manufacturer and Model	American Appliance	e Co. JSID370-10
	Energy (Oil, Gas, Electric, Coal, Etc.)	0	
d.	thergy (orr, das, Electric, coar, Etc.)	PROPAILE	
d. e.	Type Heaters & Quantities:	YNOGAIUE	The state of the s
		YNOTAIUE.	
	Type Heaters & Quantities: 1) Storage 2) Instantaneous	10 marsh	
e.	Type Heaters & Quantities: 1) Storage 2) Instantaneous 3) Semi-Instantaneous	1 00- 6.46	
e. f.	Type Heaters & Quantities: 1) Storage 2) Instantaneous 3) Semi-Instantaneous Heater Size and Storage Capacity	100 GAL	
f. g.	Type Heaters & Quantities: 1) Storage 2) Instantaneous 3) Semi-Instantaneous Heater Size and Storage Capacity Heating Capacity	100 GAL 240 HBH In 2	
e. f. g. h.	Type Heaters & Quantities: 1) Storage 2) Instantaneous 3) Semi-Instantaneous Heater Size and Storage Capacity Heating Capacity Type Controls (Air, Steam, Electric)	100 GAL 240 MBH In 2 5/00. Controls	OI. GH BTOH ROWKSTY
e. f. g. h.	Type Heaters & Quantities: 1) Storage 2) Instantaneous 3) Semi-Instantaneous Heater Size and Storage Capacity Heating Capacity Type Controls (Air, Steam, Electric) When Installed & Condition	100 GAL 240 HBH In 2 5100. Controls UA/Good Core	OI. GH BTOH ROWKSTY
e. f. g. h. i.	Type Heaters & Quantities: 1) Storage 2) Instantaneous 3) Semi-Instantaneous Heater Size and Storage Capacity Heating Capacity Type Controls (Air, Steam, Electric) When Installed & Condition Heater Temperature Setting	100 GAL 240 HBH In 2 5100. Controls UA/Good Core	101.64BTOH ROWERTY
e. f. g. h. i. j. k.	Type Heaters & Quantities: 1) Storage 2) Instantaneous 3) Semi-Instantaneous Heater Size and Storage Capacity Heating Capacity Type Controls (Air, Steam, Electric) When Installed & Condition Heater Temperature Setting Average Water Maintained Temperature	100 GAL 240 HBH In 2 5100. Controls UA/GOOD Corre 140°F	201,64 BTOH NOW KOTY
e. f. g. h. i. j. k.	Type Heaters & Quantities: 1) Storage 2) Instantaneous 3) Semi-Instantaneous Heater Size and Storage Capacity Heating Capacity Type Controls (Air, Steam, Electric) When Installed & Condition Heater Temperature Setting Average Water Maintained Temperature Temperature Differential (j) - (k)	100 GAC 240 MBH In 2 5100. Controls 140°F 128°F 128°-76°F	101.64BTOH ROWERTY
e. f. g. h. i. j. k.	Type Heaters & Quantities: 1) Storage 2) Instantaneous 3) Semi-Instantaneous Heater Size and Storage Capacity Heating Capacity Type Controls (Air, Steam, Electric) When Installed & Condition Heater Temperature Setting Average Water Maintained Temperature Temperature Differential (j) - (k) Is Hot Water Supply Adequate:	100 GAL 240 HBH In 2 5100. Control/S DA/GOOD Corre 140°F 128°-76°F yes	1.64 BTOH NOW XSTY
e. f. g. h. i.	Type Heaters & Quantities: 1) Storage 2) Instantaneous 3) Semi-Instantaneous Heater Size and Storage Capacity Heating Capacity Type Controls (Air, Steam, Electric) When Installed & Condition Heater Temperature Setting Average Water Maintained Temperature Temperature Differential (j) - (k)	100 GAL 240 HBH In 2 5100. Control/S DA/GOOD Corre 140°F 128°-76°F yes	

			LOCATION FH	
CONTROL/MISCELLANEOUS PROCESS/SKETCHE	<u> </u>		BLDG. NO12	1
CONTROL SYSTEM: CONTROLLERS: ELECTRIC ELECTRONIC	PNEUMATIC	OPERATION: X	Cooling — TIME CLOCK CONTINUOUS — EMCS DEMAND trug & DHOW	
MFG	MODEL		LOCATION	
CONDITION (GIVE DETAILED LIST OF PROE	BLEMS AS REQUIRED):			
Boiler good				
Furnace avorage	- old & ho	is pilot.		
EVAP Clr. average				
All laus have a Showers 3each	spicalois,	no keaks	low- Slow	

3.5

3.6 SPECIAL EQUIPMENT

IDENTIFICATION NO.	LOCATION (ROOM)	DESCRIPTION (MANUFACTURER, MODEL NO.)	CONNECTED LOAD KW	REMARKS
CIOTHES WAS	EN BATH		N n) h = 1 / 1
- n- DAYER				Donnostre
WATER COOLER	HALL			standord
EACH ROOM	/			
HKROWAVE		Small ~ 7	0,75	
REFRIGERATOR	-1-	14 CF Size.		
				·

FHC 137 2 frompront 12 = Storage room
13 = Retail store
(PX, commissary)
Other (describe on audit form)
E = Exterior (LIGHTS/SWITCH) Marrie BLDG. REMARKS tornell Mornal SW M WINDOW CODE Vγ S 1 = Corridors 6 = Offices-drafting
2 = Kitchens 7 = Laundry
3 = Dining 8 = Toilets
4 = Offices-general 9 = Sleeping quarters
5 = Offices-bookkeeping 10 = Supply rooms (ledgers only) 11 = Repair shops # F-100x 1 FINISH Tasks Code: I ¥ IX F OH-T-FG ¥ **400** T ₹ T 1 COLORS LOCATION Σ J 34 J J J OH-1-KG \mathcal{Z} Ω **V** ILLUMI- CEILING
NATION HEIGHT E 20 MEASURED 515 (FC) 0 z \wedge w (W/FT²) 5 LE FLOOR AREA SERVED (FI^2) G LIGHTIN If there are windows, LIGHTING " ENERGY Curtains = C Shades = S No Shading = NS (KWH/YR) Window Code: indicate: DAYS/ YEAR ON HOURS/ DAY ON Incandescent = I Fluorescent = F Sodium Vapor = SV Mercury Vapor = MV Metal Halide = MH Other--Describe 00) 300 140 8 S 9 Lamp Types: LAMPS NUMBER -PER OF
FIXTURE FIXTURES AND
MATTS/
MATTS/ iK R 3 3 60 B 2007 90 60 AND 13 B S The HB Recessed = R Suspended = S Ventilated = V Pole Mounted = PM Other--Describe TOTAL BUILDING LIGHTING ENERGY Fixture Types: FIXTURE TYPE Par F S S 5 5 S Great Property LIGHTING TASK CODE Mech

 ϖ

1

14

LIGHTING 4.2.1

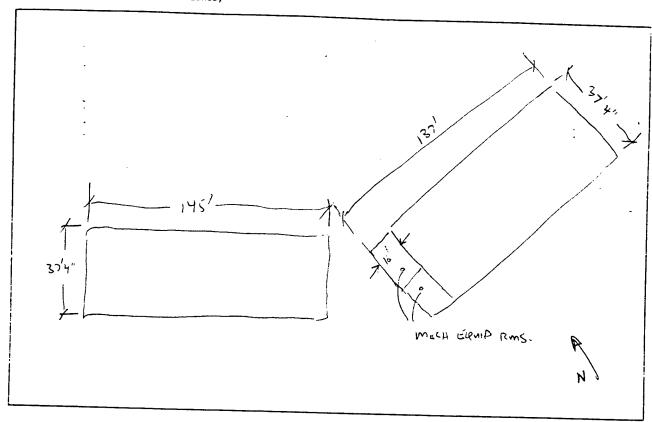
LOCATI	ON	FHL	
BLDG.	NO.	137	

4. <u>3 P</u>	OWER USAGE SUR	<u>VEÝ</u>				
4.3.1	CRITICAL LOAD	(Comput	er, Communi	cations)		
	Describe: <u>Lo</u>	· cin	pulers -	- ree	misc	equip.
•	li	st				
						-
4.3.2	RECEPTACLES IN	I USE _		PERC	ENT	
4.3.3	SMALL APPLIANC	ES IN Ų	SE (ENTER C	(TNUC		
	Water Cool	er				
	Vending Ma	chine				
	Space Heat	er				
	Coffee Pot	;				
	TV		11			
	XEROX				4	
	Other:					
	Reles	ory to is	1/			
	Hicrowa	ines	1/	****		
	MiscFa	us etc	1/			

CATION FHC SURVEYED BY REPORT DATE 15/14 LDING NUMBER 128 FUNCTION/USE PORCE FUNCTI	1 ARC	HITEC	TUR	<u>E</u> -	MIS	CEL	LAI	NEOL	<u>JS</u>			_			,										
BUILDING AGE: 20+ YEARS DUPLICATE BUILDING NOS: TOTAL: SIMILAR BUILDING NOS: BUILDING OCCUPANCY: Indicate (number and) duration of occupants each day M T M M	CATIO	N.I	40		-				s	URVE	YED	BY_	R	JE	1/2	11	+					_ DA	TE_	ادا	14
BUILDING AGE: 20+ YEARS DUPLICATE BUILDING NOS: TOTAL: SIMILAR BUILDING NOS: BUILDING OCCUPANCY: Indicate (number and) duration of occupants each day M T M M	LDING N	UMBER_		128	3				F	UNCT	r i on,	/USE_		B	0	Q									
BUILDING AGE: 20+ YEARS DUPLICATE BUILDING NOS: TOTAL: SIMILAR BUILDING NOS: BUILDING OCCUPANCY: Indicate (number and) duration of occupants each day M T M M	OT TAMAN	N SOUR	r (n	wg I	NO . 7F	PFRSC	าพา	VI	ζ,	1/5	_	/	v <		Ru.	LT	1)w?	-5						
BUILDING AGE: 20+	OMM TO	n 500m	JE (D	nu. I	10.71		,,,, ,			<u>~</u>			/ \ 3		2011	1	+	<i>></i>	1/						
DUPLICATE BUILDING NOS: TOTAL:	ERAL BU	ILDING	DATA																						
SIMILAR BUILDING NOS: TOTAL:	BUILDI	NG AGE:	:	20	1 .		YE	EARS																	
SIMILAR BUILDING NOS: TOTAL:	DUPLIC	ATE RIII	מוחוו	G NOS	ξ.																				
BUILDING OCCUPANCY: CONTINUOUS (24 HRS/DAY) NO. OF OCCUPANTS 80 Indicate (number and) duration of occupants each day M T T S S S S S S S S S S S S S S S S			LOIM	u 110.	·· _																	TOTA	ıL:		
BUILDING OCCUPANCY: CONTINUOUS (24 HRS/DAY) NO. OF OCCUPANTS 80 Indicate (number and) duration of occupants each day M T T S S S S S S S S S S S S S S S S	SIMILA	R BUIL	OING	พกร -		,																			
Indicate (number and) duration of occupants each day M																						TOTA	L:		
Indicate (number and) duration of occupants each day M	BUILDI	NG OCCI	JPANC	Υ:			(CONT	JOUNI	JS (2	24 HI	RS/D/	(Y)	V)					N	0. 0	- 000	UPAN	tTS	8	0
MISCELLANEOUS EQUIPMENT: ADDITIONAL COMMENTS, CRITICAL LOADS: CRAWL SPACE: VENTILATED EXHAUSTED														بحد						•					
MISCELLANEOUS EQUIPMENT: ADDITIONAL COMMENTS, CRITICAL LOADS: CRAWL SPACE: VENTILATED EXHAUSTED	1	1	1		Τ-	ī .	i	ī	r	ī	ī		ī	1	i	i	<u> </u>	<u> </u>		i	1 1		ı i		
MISCELLANEOUS EQUIPMENT: ADDITIONAL COMMENTS, CRITICAL LOADS: CRAWL SPACE: VENTILATED EXHAUSTED E			-	-					-			-		<u> </u>			-	_	-	-					
MISCELLANEOUS EQUIPMENT: ADDITIONAL COMMENTS, CRITICAL LOADS: CRAWL SPACE: VENTILATED EXHAUSTED	w			1										-											
MISCELLANEOUS EQUIPMENT: ADDITIONAL COMMENTS, CRITICAL LOADS: CRAWL SPACE: VENTILATED EXHAUSTED	т																								
MISCELLANEOUS EQUIPMENT: ADDITIONAL COMMENTS, CRITICAL LOADS: CRANL SPACE: VENTILATED EXHAUSTED					<u> </u>			<u> </u>	<u> </u>			-	-				_	_	1	_					
MISCELLANEOUS EQUIPMENT: ADDITIONAL COMMENTS, CRITICAL LOADS: CRAWL SPACE: VENTILATED EXHAUSTED				-				-			 		├-		-	_									• •
ADDITIONAL COMMENTS, CRITICAL LOADS: CRAWL SPACE: VENTILATED EXHAUSTED		0	2	1	4	<u>!</u>	6	1	8		10	1	12	1	14		6	1	18		20	2	22	2	4
CRAWL SPACE: VENTILATED EXHAUSTED	MISCEL	LANEOU:	s EQU	II PME	NT:									,											
CRAWL SPACE: VENTILATED EXHAUSTED										 , .															
CRAWL SPACE: VENTILATED EXHAUSTED															· ·										
CRAWL SPACE: VENTILATED EXHAUSTED	··-																								
CRAWL SPACE: VENTILATED EXHAUSTED																									
	ADDITI	ONAL C	OMMEN	its,	CRIT	ICAL	LOA	DS:												•					
	-																								
																									-+-
												· · · · · · · · · · · · · · · · · · ·													
ATTIC: VENTILATED EXHAUSTED	CRAWL	SPACE:	V	ENTIL	ATED	L	Y	ЕХН	AUST	ED [
	ATTIC:		V	ENTIL	AT ED			ЕХН	AUST	ED [

2.2 BUILDING FLOOR PLAN AND ELEVATION SKETCHES

FLOOR PLAN (Show dimensions and zones)



SOUTH ELEVATION (Show floor to ceiling elevations)

USED AS-BUILT DWGS FOR VERIFICATION

BUILDING FLOOR PLAN AND ELEVATION SKETCHES

LOCATION FITZ
BLDG. NO. 128

	Τ				 			 		 						
	REMARKS														1	ASS
	REMA ***														!	- CASEMENT - LOUVERED - FIXED GLASS
INFILTRATION	CRACK LENGTH														WINDOW TYPES:	44.72.70 1 1 1
1 1	FIT LOOSE AUG	7164T													WINDO	1 - DOUBLE HUNG 2 - SINGLE HUNG 3 - SLIDING
	/S															1 - DOU 2 - SIN 3 - SLI
	YES	7	7			<u> </u>	ļ <u>.</u>				ļ			-		
TYPE	OF FRAME**	٤	ω												.: -	EEN FY
	TRPL			-									U-VALUE		****VISIBILITY:	E - AWNING F - SOLAR SCREEN G - OVERHANG OTHER - SPECIFY
GLAZING*	0BL												÷		1/4**	SOL SOL
19	TYPE	-	(3)											LEGEND	* 1	шг 00
SIZE	L×H	1×15	(a) ,8-9×, e] 	DING:	SOLAR FILM VEN BLIND STORM WINDOW DRAPES
	MN												AREA		***SHADING:	SOLAR VEN BI STORM DRAPE
	3												TOTAL AREA		*	< 80 U D
	MS	14	т+										۲		1	
NUMBER EXPOSURE	s	21	9													BREAK
NUN EXP(SS														**FRAME:	ERMAL
	w											•			**FR	IL/TH
	Ä	4/	+													1 - WOOD 1 - METAL - METAL/THERMAL
	z	<u>4</u>	6													327
	TYPE	-	\$ -												<u>.</u> =)RB I NG
D00R/	WINDOW DESIG.	Room. WIUdews	S packs												*GLAZING:	1 - ORDINARY 2 - 1," PLATE 3 - HEAT ABSORBING 4 - TINTED
		23	<u>X</u>	ļ 				<u> </u>		<u> </u>]]			, = ,= , , 4

BUILDING ENVELOPE	•			LOCATI BLDG. N	
CONSTRUCTION				, DEBG. 16	0
WALL FRAME	COLOR: D] W [[ROOF (INCL. CLG.)	TYPE: F COLOR: D] p []
MATERIAL	THICKNESS (IN.)	R VALUE	MATERIAL	THICKNESS (IN.)	R VALUE
OUTSIDE FILM		0.25	OUTSIDE FILM		6.17
STULLO		039	BUILT NA NOOF		0 33
Courte	3/8."	6.47	PLYWOOD	1/2".	0.62
BATT ENS	3"	11.00	AIR SPACE		0.61
GYPRIARD	5/8"	0.56	BATT INS	3"	11.00
			CHABBARD	5/8"	0.56
INSIDE FILM		0.68	INSIDE FILM		0.61
	TOTAL	13.35		TOTAL	13.9
U-FACTOR 0.079	AREA		U-FACTOR 0.0	7 AREA	
SLOOR CONCOUTS	Sinn's		DOOR		
ELOOR CONCRETS		D VALUE	DOOR		
	ー ごりく THICKNESS (IN.)	R VALUE	MATERIAL	THICKNESS (IN.)	R VALUE
MATERIAL	THICKNESS (IN.)	.25		THICKNESS (IN.)	R VALUE
MATERIAL OUTSIDE FILM			MATERIAL	THICKNESS (IN.)	R VALUE
MATERIAL OUTSIDE FILM CMM	THICKNESS (IN.)	.25 1. 11	MATERIAL	THICKNESS (IN.)	R VALUE
MATERIAL OUTSIDE FILM CMM	THICKNESS (IN.)	.25 1. 11	MATERIAL	THICKNESS (IN.)	R VALUE
MATERIAL OUTSIDE FILM CMM GYPRHARD	THICKNESS (IN.)	.25 1.11 0.56	MATERIAL OUTSIDE FILM	THICKNESS (IN.)	R VALUE
MATERIAL OUTSIDE FILM CMM	THICKNESS (IN.) 8" 5/6"	.25 1. 11	MATERIAL	THICKNESS (IN.)	R VALUE
MATERIAL OUTSIDE FILM CMM GYPRHARD	THICKNESS (IN.)	.25 1.11 0.56	MATERIAL OUTSIDE FILM	THICKNESS (IN.)	R VALUE
MATERIAL OUTSIDE FILM CMM GYPRHARD	THICKNESS (IN.) & " \$\g'' TOTAL	.25 1.11 0.56 6.68	MATERIAL OUTSIDE FILM		R VALUE
MATERIAL OUTSIDE FILM CMM GYPRARD INSIDE FILM	THICKNESS (IN.)	.25 1.11 0.56 6.68	MATERIAL OUTSIDE FILM INSIDE FILM	TOTAL	R VALUE

LOCATION	FIL
BLDG. NO.	128

'3.1 HEATING EQUIPMENT

128

	Heat Source: Furnace Steam Hot Water Heat Sup	nlied Steam or Hot Water Other
		plied Steam or Hot Water OtherOther
	(w 567) Capacity: 453.6 MBtu/Hr orBoiler HP or	lbs/Hr Steam or GPM Hot Water
	02(_
	Manufacturer: CRAHE	Model No.: 8-300
	Boiler/Furnace Control: Manual Time Clock	Demand EMCS 02 Trim
	Operating Temperature: 200° F	Operating Pressure: 8 PSI
	Fuel: Nat. Gas Only Nat. Gas/	Draft: Forced
	Vi Other (Specify) PESPA-E	Induced
	Burner: Mfg Model No	Metering Equipment: Yes No
	Operating Schedule: Weekdays: From	TO ZHAR Hr/Day
	Weekdays & Holidays: From	To ZULI Hr/Day
	Operating Season: From	Mon/Day, to Mon/Day
	Flue Gas Temperature:°F Receiver Tank Cond	itions:PSIG°F
	If supplied Steam Pressure PSI Hot Water Support Hot Water:	oly Temp°F Hot Water Return Temp°F
oum?	Insulation: (1) Boiler	(2) Other (Specify) PIPS
ne prines	Poor Area	FT ² Poor Area FT ²
5.5A 7.1A	450 Y None Temp	°F None ☐ Temp°F
7.18	Pump: No. of Pumps	
834PM	Mfg. 1 ACO Model 10 - 12	105-700061401-1 HP 1/2 RPM 1725
30 TOH	— — — —	· — — —
1.1 Impeller	FOR LARGE BOILERS (over 6,000 MBTUH): Combustion Control Mfg	J Mode1
	Condensate Pumps/Hot Water Pumps: Mfg	Mode1 HP
	Boiler/Furnace Condition:	
	Describe	
	Occupant Discomfort (Evaluate):	
		HEATTING FOULTWENT

LOCATION	EHL
BLDG. #O.	128

3.2 COOLING EQUIPMENT

COMPRESSOR(S)/CHILLER		COOLING TOWER	
Manufacturer	TRANE CHILLER	Gravity	
Model No.	GAC 25B	Mech. Draft	
Size		Manufacturer	_
Refrigerant		Model No.	
Motor HP (if available)	NA :	Type of Fan	
Motor Voltage	2081/34	Fan RPM	
Motor FLA	88	Fan Motor HP	_
Measured Amps		Fan Motor Voltage	
CONDENSER/CONDENSING UNIT		Fan Motor FLA	
Water Cooled		Measured Amps	
Air Cooled		CULLIFO MATER PRINTS (A)	
Evaporative		CHILLED WATER PUMPS (If more than one, how many	
Manufacturer		operative during normal operation:)	
Model No.		Manufacturer	
Size		Model No.	
Type of Fan		Capacity Gals.	_
Fan Motor HP	3 HP	Head, Ft.	
Fan Motor Voltage	2081/3/	Motor HP	
Fan Motor FLA	8.6	Motor Voltage	
Measured Amps		Motor FLA	
·		Measured Amps	_
	more than one, how many o	perate on normal operation:)	
Manufacturer -			
Model No.			
Capacity, Gals.			
Head, Ft			
Motor HP			
Motor Voltage _			
Motor FLA -			
Measured Amps -			
REMARKS:			
			_

LOCATION	FHL
BLDG. NO.	128

3.3 AIR HANDLING EQUIPMENT

NS	2-PIP=	T- bios		
Туре	FAN-COIL UNIT	FAN-LOIL MAIT	-	
Unit/Zone	# 45 UNITS	# 9 WNITS		Ė
Manufacturer				
Model No.				
Туре				
RPM of Fan				
Motor HP	1/60	/33		
Motor Volts				
Motor FLA				
Measured Amps				_
CFM (from Plans)	200	305	•	_
				_
Notes				
Notes		***************************************		
Notes DILS				
	where found:			
DILS	; where found: COOLING		HUMIDIFICATION	
DILS	COOLING			
DILS	COOLING DX		ELEC	
DILS	COOLING DX		ELEC	
DILS	COOLING DX		ELEC	
DILS	COOLING DX H ₂ O OTHER HEATING		ELEC	
DILS	COOLING DX H20 OTHER HEATING GAS		ELEC	
DILS	COOLING DX H20 OTHER HEATING GAS H20		ELEC STEAM H ₂ O OTHER	
DILS	COOLING DX H20 OTHER HEATING GAS H20 ELEC		ELEC STEAM H ₂ O OTHER	
DILS	COOLING DX H20 OTHER HEATING GAS H20 ELEC		ELEC STEAM H ₂ O OTHER	
DILS	COOLING DX H20 OTHER HEATING GAS H20 ELEC OTHER		ELEC STEAM H ₂ O OTHER	
DILS Indicate capacities	COOLING DX H20 OTHER HEATING GAS H20 ELEC		ELEC STEAM H ₂ O OTHER	
OILS Indicate capacities	COOLING DX H20 OTHER HEATING GAS H20 ELEC OTHER		ELEC STEAM H ₂ O OTHER	

DOMESTIC HOT WATER HEATING SYSTEM /E	QUIPMENT	BLDG. NO.
		_
a. Is System Supported from (check o		One System per Building
	Several Small Sys	items per Building
. Domestic Hot Water Temperatures p	provided:140	, , , , , , , , , , , , , , , , , , ,
. Average Pipe Sizes of All Hu Dini		
STATE OF LESS OF ALL IM PIPE	"	
	1" 20K	
. Is Piping System Insulated and Co	ndition:MD	
1) Condition of circulator	467 3) Is aqua	antit provided Alla
2) Circulator capacity 1/	11. 150 A) Aquant	at temperature setting
OMESTIC HOT WATER HEATING EQUIPMENT	(If more than one location, list	each one)
. Location	MEH EM	
Areas Served	ALL	
. Manufacturer and Model		
Energy (Oil, Gas, Electric, Coal,	Etc.) PRIDOUTE	
Type Heaters & Quantities:		
1) Storage	_	
2) Instantaneous		
3) Semi-Instantaneous	<u>-</u>	
Heater Size and Storage Capacity	246 apt réc 100 4AC 67E	oa
Heating Capacity	710,421 07	
Type Controls (Air, Steam, Electri	c) FLORETHIC	
When Installed & Condition	MID	
Heater Temperature Setting	140	
Average Water Maintained Temperatu	re	
Temperature Differential (j) - (k)		
Is Hot Water Supply Adequate:	YIES	
Insulation Thickness Insulation Material	Type	
·		
GOFSTONETT ECHANGIA		1
T	7	
•		- 10/1/2.40/11SY /1725-RPM

CONTROL/MISCELLANEOUS	PROCESS/SKETCHES			OCATION FHL DG. 110. 128-
CONTROL SYSTEM: CONTROLLERS:	ELECTRIC PNEUMA	TIC OPERATION:		TIME CLOCK
MFG	MODEL		LOCATION	
CONDITION (GIVE DETAI	LED LIST OF PROBLEMS AS REQU	UIRED):	<u>.</u>	
EAN-C	OIL UNITS - V	MAMAL CONTINL	3 SPEED KO	N SWITCH
			,	-
Summer	1- WINTER CHANGE	Manual - NEW	AL CONTRUL	OF TWO
2- BS	STION VALUES	(BOTH VALUES IN	UPEN POSITION	
	•			

3.5

LIGHTING												7	LOCATION	ا چ	-	\exists		BLDG. 128	
													COLORS	S.	E	FINISH			" .
TASK	FIXTURE TYPE	LAMP TYPE AND	LAMPS NUMBER PER OF FIXTURE FIXTURES AND	NUMBER OF FIXTURES	TOTAL	HOURS/ DAY ON	DAYS/ YEAR ON	LIGHTING FLOOR ENERGY SERVED		WATTS PER SQ.FT.	MEASURED ILLUMI - CEILING NATION HEIGHT	CEIL ING HEIGHT	TA J.	F-100	ם ב ב ש ט	- TAN-	WINDOW CODE	REMARKS	2.1 Inter
		WATTS	WATTS/ FIXTURE					(KWH/YR) (FT ²) (W/FT ²)	(FT ²) (W/FT ²)	(FC)	(FT)	- w		zυ			(LIGHTS/SWITCH)	101
である。メイン	2	17,8	20	_	26				·										ignein
CLEAN DO	2	150	09	7	cu														
いろん	2	1/63	- 62	-	20														
wed.	W	16/3	463	1	40 5600														
,,	5	Ph.	1/2		(021)														
=	, 2		- /.	5	2400														
							·												
																			
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																			 1
				•															
T01	TOTAL BUILDING LIGHTING ENERGY	ING ERGY																	
							 1	LIGHTIN	1 N G	L E G E	E N 0 :								

SCO STANTA

Fixture Types:

Recessed = R Suspended = S Ventilated = V Pole Mounted = PM Other--Describe

If there are windows, indicate: Curtains = C Shades = S No Shading = NS Window Code: Incandescent = I Fluorescent = F Sodium Vapor = SV Mercury Vapor = MV Metal Halide = MH Other--Describe

Lamp Types:

12 = Storage room
13 = Retail store
(Px, commissary)
Other (describe on audit form)
E = Exterior 1 = Corridors 6 = Offices-drafting 2 = Kitchens 7 = Laundry 3 = Dining 8 = Toilets 4 = Offices-general 9 = Sleeping quarters 5 = Offices-bookkeeping 10 = Supply rooms (ledgers only) 11 = Repair shops

Tasks Code:

LIGHTING 4.2.1

LOCAT	ION	F	12	
BLDG.			23	

4.2	LIGHTING	<u>(</u> continued)
-----	----------	---------------------

4.	2.	2	Exterior	Liahtina
		-		

ACTUAL NO. OF FIXTURES	TYPE OF FIXTURE	NO. OF FIXTURES IN USE	WATTS/ FIXTURE	TOTAL WATTS	CONTROL TYPE*	REMARKS
28.	100	28	60	1680		
				·		
					·	<u></u>
• :			<u> </u>	***************************************		
	· · · · · · ·					
		-				•
						·
* M = Manua	1 T = Time	r P = Phot	cocell	Enter so	chedule und	der Remarks.

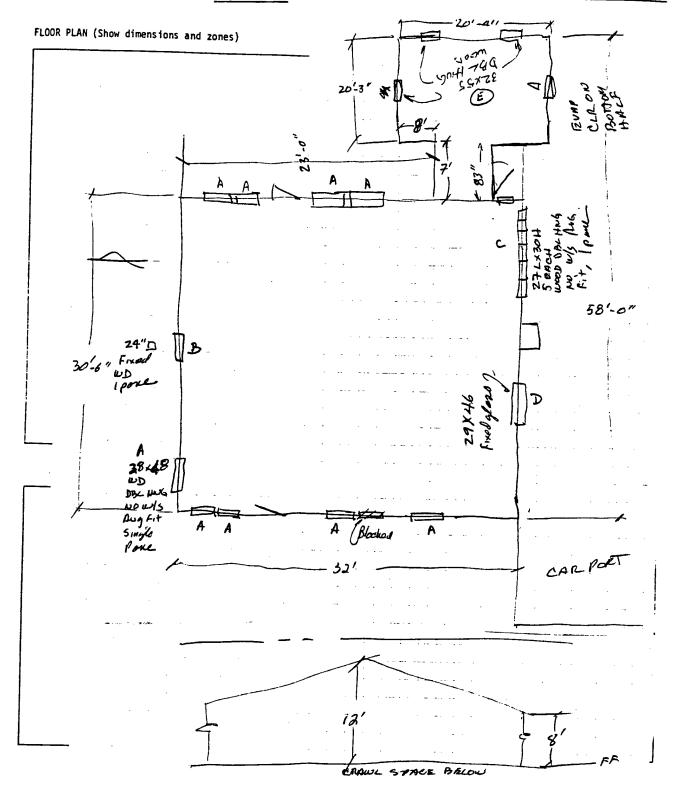
CALCULATIONS

WATTS OF INTERIOR LIGHTING

Actual at time of survey	•
Total installed	
WATTS OF EXTERIOR LIGHTING	
Actual on at time of survey	
Total installed	
	

DCATION_		FHL					_ SUI	RVEYI	ED B	Y			BII	}/r	316	3				DA	TE_	OCT	93
LDING NUMBE																							
ORMATION SO	URCE (DWG. I	NO./P	ERSO	N)		5	۷ ر∧	۲.					•									
ERAL BUILDI	NG DAT	<u>A</u>																					
BUILDING A	GE: _				_YE/	ARS	O	トシ	•					:									•
DUPLICATE	BUILDI	NG NOS	S:																				
		_				•								:						TOTA	L:		
SIMILAR BU	ULDING	NOS:																					
																				TOTA	L:		
BUILDING O	CCUPAN	ICY:			cr	ואודאכ	บอบร	(24	HRS	/DAY) [Z	7					N	n ni	ב מרי	ΠΡΔN	ıT Ç	4	
	ite (nu											7					••			, o, A			
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			· · · · · ·																				
ADDITIONAL	. COMME	NTS, (
						<u>. </u>																	
CRAWL SPAC	٠F٠ /	/ENTIL	ATFN	Щ	ı	EXHAU	STEU																
2.7 31 M				نت		LAHAU	J. LU		l														

2.2 BUILDING FLOOR PLAN AND ELEVATION SKETCHES



		— т				- т	1	 					-	-				
	REMARKS									·								- CASEMENT - LOUVERED - FIXED GLASS
INFILTRATION	CRACK LENGTH																TYPES:	4 - CASE 5 - LOUV 6 - FIXE
	F17 LOOSE AUG	7		>											÷		WINDOW TYPES:	- DOUBLE HUNG - SINGLE HUNG - SLIDING
	W/S VES I NO	7		>		>												1 - DOU 2 - SIN 3 - SLI
TYPE	OF FRAME**	3	3	3	3	3											إ	Y
	TRPL														U-VALUE	•	****VISIBILITY:	E - AWNING F - SOLAR SCREEN G - OVERHANG OTHER - SPECIFY
GLAZING*	180]]		**VIS1	- AWNI - SOLA - OVER HER -
9	TYPE		-	-	_	_										LEGEND	Ŧ	mr 2 <u>0</u>
SIZE	L×H	28 x48"	24"x24"	27" 430	19,,४46,	32"×55"										L E	ING:	SOLAR FILM VEN BLIND STORM WINDOM DRAPES
П	₹														AREA	-	***SHADING:	SOLAR VEN BI STORM DRAPES
	3	+						 			-	-	<u> </u>	-	TOTAL AREA		•	₹8 ∪Ω
	₹S			-								-	<u> </u>	<u> </u>	-			BREAK
NUMBER	SE S			5	_			-	-			-		1	1		•• W	
	u u			ļ. ·		7		-		-			-		1		**FRAME:	WOOD METAL METAL/THERMAL
	NE NE							†		1							•	
	z	_	_			_												32F
	TYPE	_	ڡ	-	و	_)RB I NG
/ 8000	WINDOW DESIG.	A	2	J	A	'n											*GI A7 ING:	1 - ORDINARY 2 - 1," PLATE 3 - HEAT ABSORBING 4 - TINTED

BUILDING ENVELOPE					ON FH
CONSTRUCTION				BLDG.	131
WALL	COLOR: D	ı M⊲ r□	ROOF (INCL. CLG.)	TYPE: F [COLOR: D	
MATERIAL	THICKNESS (IN.)	R VALUE	MATERIAL	THICKNESS (IN.)	R VALUE
OUTSIDE FILM		·	OUTSIDE FILM		
Mond 2:0.06	·		Comp Smile		
BOTT INCHUATION	N 3".		Sitestrinuia	•	
GYPB.ARD			A.a Space		
			Caribally		
INSIDE FILM			INSIDE FILM	****	
	TOTAL			TOTAL	
U-FACTOR FLOOR	AREA		U-FACTOR DOOR	AREA	
MATERIAL	THICKNESS (IN.)	R VALUE	MATERIAL	THICKNESS (IN.)	R VALUE
OUTSIDE FILM			OUTSIDE FILM		
INSIDE FILM			INSIDE FILM		
	TOTAL			TOTAL	
U-FACTOR	AREA		U-FACTOR ·	AREA	

LOCATION	FHL
BLDG. NO.	131

3.1 HEATING EQUIPMENT

Heat Source:						
→	eam Hot Water Boiler	- (E	pplied Steam or Ho xternal Boiler Pla			
Capacity: 40,00	Btu/Ar or	Boiler HP or	Lbs/H	r Steam or	GPM н	Ot Water
Manufacturer:	k i I D					or note:
Boiler/Furnace Contr	ol: Manual			d EMCS		0 ₂ Trin
Operating Temperatur	e:	°F	Operating Press	ure:		PSI
Fuel: Nat. Gas 0	nly Nat. Gas/					
Other (Spe	cify) Prupani	<u> </u>	•	Induced		
Burner: Mfg		Model No		Metering Equipmen	t: Yes	no
Operating Schedule:	Weekdays:	From	To	Hr/Day		
	Weekdays & Holidays:	From	То	Hr/Day		
	Operating Season:	From	Mon/Day	, to		Mon/Day
	team Pressure		Jy Temp°	F Hot Water Retur	rn Temp	°F
				ecify)		
	Temp.			Area		
						
Mfg		Mode1		/	RPM	
HW Pump Starte	r: HOA Rese	t P/B S/S Push	Button Inter	locked with Boiler?	Yes	No.
FOR LARGE BOILERS (OV	er 6,000 MBTUH): Comb	oustion Control Mfg.		Mode1		
Condensate Pumps/Hot	Water Pumps: Mfg		Model			
	ion:					
Describe						
	Evaluate):					

LOCATION	FHL
BLDG. #O.	131

3.2 COOLING EQUIPMENT

COMPRESSOR(S)/CHILL	<u>.er</u>	COOLING TOWER	
Manufacturer	LARRIER SPLITSTSTA		
Model No.	38EF 0303005 M	Mech. Draft	
Size		Manufacturer	
Refrigerant	R-22	Model No.	
Motor HP (if avai	lable) NIA		·····
Motor Voltage	2081/16	Fan RPM	
Motor FLA	18	Fan Motor HP	
Measured Amps			
neasured Amps		Fan Motor Voltage	
CONDENSER/CONDENSIA	IG UNIT	Fan Motor FLA	
Water Cooled		Measured Amps	
Air Cooled		CHILLED WATER PUMPS (If more than one	, how many
Evaporative		operative during normal operation:	_
Manufacturer		Manufacturer	
Model No.		Model No.	
Size		Capacity Gals.	
Type of Fan		Head, Ft.	
Fan Motor HP		Motor HP	
Fan Motor Voltage	2084/16	Motor Voltage	
Fan Motor FLA	2.1	Motor FLA	-
Measured Amps		Measured Amps	

CONDENSER WATER PUM	IPS (If more than one, how many	operate on normal operation:)	
Manufacturer			
Model No.			
Capacity, Gals.			
Head, Ft.			
Motor HP			
Motor Voltage		<u> </u>	
Motor FLA			
Measured Amps			
DEMARKS.			•
REMARKS:	317A EVAP WOLLS?		
	7 11 EALL MARTIC		

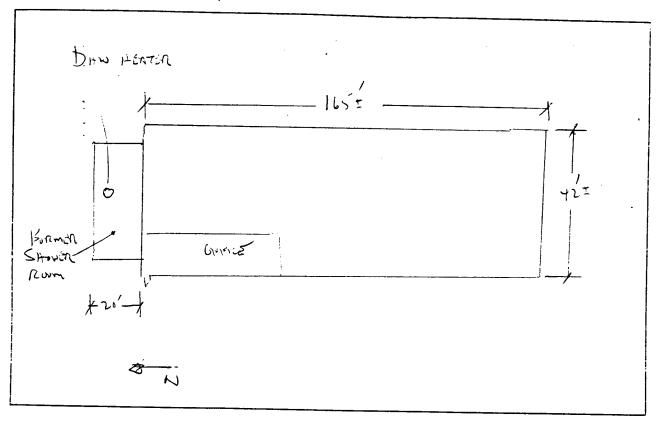
	MESTIC HOT WATER HEATING SYSTEM/EQUIP	Ment	LOCATION FA
	Is System Supported from (check one):	Central Plant	One System per Building
b.	Domostic Net Uses T	Several Small Syste	ms per Building
٠.	Domestic Hot Water Temperatures provide	ed:	3Ł .
c.	Average Pipe Sizes of All HW Piping and	d Approximate Run of Each:	
d.	Is Piping System Insulated and Conditio	in: NO INCHLATION	
e.	Is Hot Water Circulated? 1) Condition of circulator		
	Condition of circulator Circulator capacity	3) Is aquaet	at provided
	2) Circulator capacity	4) Anuastat	townsent
DOMI	Location		
a.	Location Areas Served		
a. b.	Areas Served	American Cultura De	
a. b. c.	Areas Served Manufacturer and Model	AMERICAN GUFY33LPG	
a. b. c. d.	Areas Served	AMERICAN GUFYS3LPG	
a. b. c. d.	Areas Served Manufacturer and Model Energy (Oil, Gas, Electric, Coal, Etc.)	TOPANA	
a. b. c. d.	Areas Served Manufacturer and Model Energy (Oil, Gas, Electric, Coal, Etc.) Type Heaters & Quantities:	TOPANA	
a. b. c. d.	Areas Served Manufacturer and Model Energy (Oil, Gas, Electric, Coal, Etc.) Type Heaters & Quantities: 1) Storage 2) Instantaneous 3) Semi-Instantaneous	TOPANA	
a. b. c. d. e.	Areas Served Manufacturer and Model Energy (Oil, Gas, Electric, Coal, Etc.) Type Heaters & Quantities: 1) Storage 2) Instantaneous 3) Semi-Instantaneous Heater Size and Storage Capacity	TO GAL.	
a. b. c. d. e.	Areas Served Manufacturer and Model Energy (Oil, Gas, Electric, Coal, Etc.) Type Heaters & Quantities: 1) Storage 2) Instantaneous 3) Semi-Instantaneous Heater Size and Storage Capacity Heating Capacity	/ WFANA	
a. b. c. d. e.	Areas Served Manufacturer and Model Energy (Oil, Gas, Electric, Coal, Etc.) Type Heaters & Quantities: 1) Storage 2) Instantaneous 3) Semi-Instantaneous Heater Size and Storage Capacity Heating Capacity Type Controls (Air, Steam, Electric)	TO GAL.	
a. b. c. d. e.	Areas Served Manufacturer and Model Energy (Oil, Gas, Electric, Coal, Etc.) Type Heaters & Quantities: 1) Storage 2) Instantaneous 3) Semi-Instantaneous Heater Size and Storage Capacity Heating Capacity Type Controls (Air, Steam, Electric) When Installed & Condition	TO GAL.	
a. b. c. d. e.	Areas Served Manufacturer and Model Energy (Oil, Gas, Electric, Coal, Etc.) Type Heaters & Quantities: 1) Storage 2) Instantaneous 3) Semi-Instantaneous Heater Size and Storage Capacity Heating Capacity Type Controls (Air, Steam, Electric) When Installed & Condition Heater Temperature Setting	TO GAL.	
a. b. c. d. e. f.	Areas Served Manufacturer and Model Energy (Oil, Gas, Electric, Coal, Etc.) Type Heaters & Quantities: 1) Storage 2) Instantaneous 3) Semi-Instantaneous Heater Size and Storage Capacity Heating Capacity Type Controls (Air, Steam, Electric) When Installed & Condition Heater Temperature Setting Average Water Maintained Temperature	TO GAL.	
a. b. c. d. e. f.	Areas Served Manufacturer and Model Energy (Oil, Gas, Electric, Coal, Etc.) Type Heaters & Quantities: 1) Storage 2) Instantaneous 3) Semi-Instantaneous Heater Size and Storage Capacity Heating Capacity Type Controls (Air, Steam, Electric) When Installed & Condition Heater Temperature Setting	TO GAL.	

			Γ	T	T		T	Ţ	1			Τ	T	T	7		
BLDG. [13]	REMARKS	(LIGHTS/SWITCH)										-					12 = Storage room 13 = Retail store (PX, commissary) Other (describe on audit form) E = Exterior
77 1 1	WINDOW																
11	4100	R		 	<u> </u>		-		<u> </u>	-				-			 Offices-drafting Laundry Toilets Sleeping quarters Supply rooms Repair shops
	FINISH E W I A I L	1					†	 						1		de:	draf qua ooms
	C FI	Z O									 		 			Tasks Code:	ry ts ing y rc
ا چ	S	_		<u> </u>]		asks	ffic aund oile leep leep
LOCATION	COLORS C E W	رو <u>ح</u>		 	 	<u> </u>	ļ	↓	ļ	ļ	<u> </u>]		-	
ğ	<u> </u>	(FT)	-9														6 8 9 9 10 11
	MEASURED ILLUMI- CETLING NATION HEIGHT		10									1					neral okkeep nly)
	MEASURED ILLUMI~ NATION	(FC)	۲ پے												N D :		idors hens 1g ces-ger ces-boo
	WATTS PER SQ.FT.	(W/FT ²)	Similar to												LEGE		1 = Corridors
		ł	138 129												9		
	LIGHTING FLOOR ENERGY SERVED	(KWH/YR) (FT ²)	¥ \												LIGHTING	Code:	e window te: S = C S = S g = NS
	DAYS/ YEAR ON	Ĭ	Mermal.													Window Code:	If there are windows, indicate: Curtains * C Shades = S No Shading = NS
	HOURS/ DAY ON		٠ ٧٧													!	<u>.</u>
	TOTAL WATTS		Acc													es:	nt = 1 nt = F or = SV or = MV de = MH
	NUMBER OF FIXTURES		ĩ				:									Lamp Types	Incandescent = Fluorescent = Sodium Vapor = Mercury Vapor = Metal Halide = OtherDescribe
	LAMPS PER FIXTURE	FIXTURE]	Ne Ser
	LAMP TYPE AND WATTS															ان	av>£ ã
	FIXTURE TYPE							(TOTAL BUILDING LIGHTING ENERGY		Fixture Types:	Recessed = R Suspended = S Ventilated = V Pole Mounted = PM OtherDescribe
LIGHTING	TASK CODE		V	•										T0TAL L I GH T		Fixt	Re Sus Vent Pole M Other

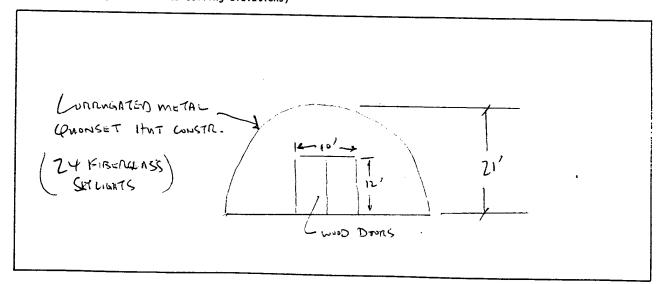
SURVEYED BY BIH RIB DATE 10/92 ILDING NUMBER C. 144 FUNCTION/USE NOT IN USE C. TIME OF SARRY FORMATION SOURCE (DMG. NO./PERSON) VISAAL BUILDING AGE: YEARS DUPLICATE BUILDING NOS: TOTAL: BUILDING OCCUPANCY: CONTINUOUS (24 HRS/DAY) NO. OF OCCUPANTS Indicate (number and) duration of occupants each day M T T H T F S S S D Z D D SURVEYED BY BIH RIB D DATE 10/92 NO OF OCCUPANCY NO. OF	CATION	FAL				_ SURV	EYED BY	Y	Biit	· R	JB			DATE_	10/92
DUPLICATE BUILDING NOS: TOTAL: BUILDING OCCUPANCY: CONTINUOUS (24 HRS/DAY) Indicate (number and) duration of occupants each day M T M T M T M T M T M T M T M T M T M	LDING NUMBER_	ς.	144			_ FUNC	TION/US	SE	NUT	. 14	NSE	e	Timé	ء خاه	SAUR?
BUILDING AGE:YEARS DUPLICATE BUILDING NOS:															
DUPLICATE BUILDING NOS: TOTAL: SIMILAR BUILDING NOS: TOTAL: BUILDING OCCUPANCY: CONTINUOUS (24 HRS/DAY) NO. OF OCCUPANTS Indicate (number and) duration of occupants each day M T H T S S S S S S S S S S S S S S S S S															
TOTAL: SIMILAR BUILDING NOS: TOTAL: BUILDING OCCUPANCY: CONTINUOUS (24 HRS/DAY) NO. OF OCCUPANTS Indicate (number and) duration of occupants each day M T T S S S S S S S S S S S S S S S S	BUILDING AGE:			YE	ARS					:					
SIMILAR BUILDING NOS: TOTAL: BUILDING OCCUPANCY: CONTINUOUS (24 HRS/DAY) NO. OF OCCUPANTS Indicate (number and) duration of occupants each day M T H T H T S S S S S S S S S S S S S S S	DUPLICATE BUT	LDING NO	S:							•					
BUILDING OCCUPANCY: CONTINUOUS (24 HRS/DAY) NO. OF OCCUPANTS Indicate (number and) duration of occupants each day M T H T F S S S O 2 4 6 8 10 12 14 16 18 20 22 24										:				TOTAL:	
BUILDING OCCUPANCY: CONTINUOUS (24 HRS/DAY) NO. OF OCCUPANTS Indicate (number and) duration of occupants each day M T H T F S S S D 2 4 6 8 10 12 14 16 18 20 22 24	SIMILAR BUILD	ING NOS:													
Indicate (number and) duration of occupants each day M														TOTAL:	
M							-					NO	. OF OCC	UPANTS_	ø
T		1 1	T						T i	1 1	- , -	-		- 1	
T F S S S S S S S S S S S S S S S S S S	 	1				-		\dashv				-			
F S S S S S S S S S S S S S S S S S S S	W					+		+-							
S S 0 2 4 6 8 10 12 14 16 18 20 22 24	T							+							
S 0 2 4 6 8 10 12 14 16 18 20 22 24															
0 2 4 6 8 10 12 14 16 18 20 22 24	 														
	\$ <u> </u>	1 1	4				10	12	14			10	30	22	
	s s	2 EQUIPMEN	4 NT:	6										22	24
					·										· · ·
	ADDITIONAL CO	MMENTS, (CRITICA	AL LOAD	s:										
ADDITIONAL COMMENTS, CRITICAL LOADS:															
ADDITIONAL COMMENTS, CRITICAL LOADS:															
ADDITIONAL COMMENTS, CRITICAL LOADS:								· · · · · · · · · · · · · · · · · · ·							
ADDITIONAL COMMENTS, CRITICAL LOADS:															
	CRAWL SPACE:	VENTILA	ATED [EXHAUS	STED [] 2	٥6,							
		VENTILA	_	¬		STED	¬ _		.XIDAMST	12					

2.2 BUILDING FLOOR PLAN AND ELEVATION' SKETCHES

FLOOR PLAN (Show dimensions and zones)



SOUTH ELEVATION (Show floor to ceiling elevations)



LOCATION	FHL
BLDG. NO	144

3.1 <u>HEATING EQUIPMENT</u>

Heat Source:			Churi-1- Enagung
Furnace Steam Hot Wate	r Heat Sup Pump (Ex	plied Steam or Hot Water	X Other MAIT HEATERS
Boiler Boiler	Pump (Ex	plied Steam or Hot Water ternal Boiler Plant)	Other WHIT HEATERS 4 GA
Capacity:Btu/Hr or	Boiler HP or	lbs/Hr Steam	
`			
Manufacturer: REZNIR		Model No.:	
Boiler/Furnace Control: Manual	Time Clock	Demand	EMCS 0 ₂ Trim
Operating Temperature:	°F	Operating Pressure:	PSI
Fuel: Nat. Gas Only Nat. Gas/		Dun 64 .	
Of our (see so)	5	. Urait:	-
Other (Specify) PROPAN	K.	<u> </u>	_ Induced
Burner: Mfg.	Model No	Meteri	ing Equipment: Yes
Operating Schedule: Weekdays:	From	То	Hr/Day
Weekdays & Holiday			Hr/Day
Operating Season:			Mon/Day
,			non, cay
Flue Gas Temperature:°F	Receiver Tank Cond	itions:	PSIG°F
If supplied Steam Steam Pressure	PSI Hot Water Supp	ly Temp. °F Hoi	t Water Return Temp. °F
or not water.		·	
Insulation: (1) Boiler		(2) Other (Specify)	
Poor Area			FT ²
None Temp.			°F
		_ i nonei remp.	•
Pump: No. of Pumps		V/PH/FLA]
Mfg			
HW Pump Starter: HOA R	_	h Button Interlocked	
			- -
FOR LARGE BOILERS (over 6,000 MBTUH):	Combustion Control Mfg	•	Mode1
Condensate Pumps/Hot Water Pumps: Mfg.		Model	uр
•			
Boiler/Furnace Condition:			
Describe			
Occupant Discomfort (Evaluate):			

3.2 COOLING EQUIPMENT

COMPRESSOR(S)/CHILLER	COOLING TOWER
Manufacturer	Gravity
Model No.	
Size	
Refrigerant	Manufacturer
	Model No
Motor Voltage	
Motor FLA	Fan RPM
Measured Amps	Fan Motor HP
reasured Anips	Fan Motor Voltage
CONDENSER/CONDENSING UNIT	Fan Motor FLA
Water Cooled	Measured Amps
Air Cooled	CHILLED WATER PUMPS (If more than one, how many
Evaporative	operative during normal operation:)
Manufacturer N	Manufacturer
Model No	Model No.
Size	Capacity Gals.
Type of Fan	Head, Ft.
Fan Motor HP	Motor HP
Fan Motor Voltage	Motor Voltage
Fan Motor FLA	Motor FLA
Measured Amps	Measured Amps
CONDENSER WATER PUMPS (If more than one,	how many operate on normal operation:)
Manufacturer	now many operate on normal operation:)
Model No.	
Capacity, Gals.	
Head, Ft.	
Motor HP	
Motor Voltage	
Motor FLA	
Measured Amps	
	(-)
REMARKS: 1 EVAP CO	own For OFFICE ANEA (3/4HPI)
	·

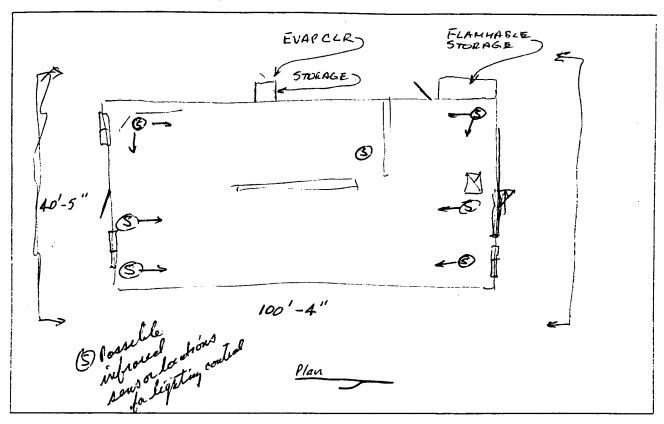
	DO:	ACCTIC HOT WATER HEATING CYCTEM (FOURTH)		BLOG. NO. 144
3.4	<u> </u>	MESTIC HOT WATER HEATING SYSTEM / EQUIPM	<u>ENI</u>	
	a.	Is System Supported from (check one):	Central Plant One Sys	tem per Building
			Several Small Systems per Building	
	b.	Domestic Hot Water Temperatures provided	d: - NOT USED - OF	·
				o F
	c.	Average Pipe Sizes of All HW Piping and	Approximate Run of Each:	
:				•
	d.	Is Piping System Insulated and Condition	1:	
	e.	Is Hot Water Circulated?		
			3) Is aquastat provided?	
			4) Aquastat temperature setti	
	DOM	NESTIC HOT WATER HEATING EQUIPMENT (If mo		
		(1) III		
	a.	Location	> Itomica Amnex	
	b.	Areas Served		
	c.	Manufacturer and Model		
	d.	Energy (Oil, Gas, Electric, Coal, Etc.)	Pringer	
	e.	Type Heaters & Quantities:		
		1) Storage		
		2) Instantaneous		
	£	3) Semi-Instantaneous	69 GAL.	
		Heater Size and Storage Capacity		
	g. h	Heating Capacity	500 met 420 GPF e 100° DT	
	n. i.	Type Controls (Air, Steam, Electric) When Installed & Condition		
	j.	Heater Temperature Setting		
	k. 1.	Average Water Maintained Temperature		
	n.	Temperature Differential (j) - (k) Is Hot Water Supply Adequate:		
	m.	Insulation Thickness		
	0.	Insulation Material	Type	

子			i			,			<u> </u>								
BL06.	REMARKS	(LIGHTS/SWITCH)										-					12 = Storage room 13 = Retail store (PX, commissary) Other (describe on audit form) E = Exterior
1+1	WINDOW																
77	L 100																Offices-drafting Laundry Toilets Sleeping quarters Supply rooms Repair shops
	FINISH E E E E E E E E E E E E E E E E E E E	Z (5)				ļ <u> </u>										Tasks Code:	Offices-draft Laundry Toilets Sleeping quar Supply rooms Repair shops
_	# 100			-				 	-	\vdash						sks	Offices Laundry Toilets Sleepin Supply Repair
LOCATION	COLORS COLORS															٦	S. S. S. S. S. S. S. S. S. S. S. S. S. S
207					 -			 	ļ		ļ						8 8 00 11
	MEASURED ILLUMI- CETLING NATION HEIGHT	(FI															ral keeping y)
	MEASURED ILLUMI- NATION	(FC)													N D :		E Kitchens 7 = L Dining 8 = T Offices-general 9 = S Offices-bookkeping 10 = S (ledgers only) 11 = R
	WATTS PER SQ.FT.	(W/FT ²)			_									·	1 E G E		2 = Kitch 3 = Dinit 4 = Offic 5 = Offic (leds
	FLOOR AREA SERVED			·											2	1	
	LIGHTING ENERGY	(KWH/YR) (FT ²)													LIGHTIN	Code:	re window Ite: IS = C IS = S
	DAYS/ L	Ĭ														Window Code:	If there are windows, indicate: Curtains = C Shades = S No Shading = NS
	HOURS/ DAY ON															!	1
	TOTAL															es:	nt * I nt * F or * SV or * MV de * MH
	NUMBER OF FIXTURES		8	20			:			·						Lamp Types:	Incandescent = Fluorescent = Sodium Vapor = Mercury Vapor = Metal Halide = OtherDescribe
	LAMPS NUMBER PER OF FIXTURE FIXTURES AND	WATTS/ FIXTURE	11/1	100		100										1	Mer Ser
	LAMP TYPE AND		Rob	I60		763								NG RGY		:si	E Property of the property of
	FIXTURE. TYPE		5	Ş		5		•						TOTAL BUILDING LIGHTING ENERGY		Fixture Types:	Recessed * R Suspended * S Ventilated * V Pole Mounted * PM OtherDescribe
LIGHTING	TASK CODE		7	·		1227								TOTAI Lighl		Fixt	Sus Vent Pole H Other
•									<u> </u>	<u> </u>	<u>. </u>	<u> </u>	' <u>-</u> -	·	l		LIGHTING

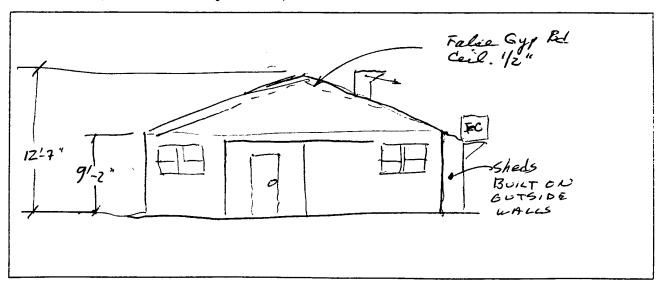
1 ARCHITECTURE - MISCE		4
	SURVEYED BY BIH	
	FUNCTION/USE UTILITY SA	
ORMATION SOURCE (DWG. NO./PER	SON) TIUTEZUIEW CUR	Hermonson
	•	
ERAL BUILDING DATA		
BUILDING AGE: N/A	YEARS OLDER BLDG	
DUPLICATE BUILDING NOS:		
		TOTAL:
	continuous (24 HRS/DAY) ration of occupants each day Augrage 6 Hrs/Lugusz-	NO. OF OCCUPANTS 145
BUILDING OCCUPANCY: Indicate (number and) du	ration of occupants each day	NU. OF OCCUPANTS
T W T F S S S O 2 4 MISCELLANEOUS EQUIPMENT:	See Leat in mach.	6 18 20 22 24 Section
ADDITIONAL COMMENTS, CRITICA	OK in winter.	
CRAWL SPACE: VENTILATED	EXHAUSTED NOW E-	e cielius I'belon

2.2 BUILDING FLOOR PLAN AND ELEVATION SKETCHES

FLOOR PLAN (Show dimensions and zones)



SOUTH ELEVATION (Show floor to ceiling elevations)



INFILTRATION	FIT CRACK REMARKS	NOG "Lot"	7		L 36 lage name									WINDOW TYPES:	- DOUBLE HUNG 4 - CASEMENT - SINGLE HUNG 5 - LOUVERED - SLIDING 6 - FIXED GLASS
	W/S YES I NO	1	7		7										3 - S
TYPF	OF FRAME**		3		3					•					L R
	TRPL		(ı							U-VALUE	i	****VISIBILITY	E - AWNING F - SOLAR SCREEN G - OVERHANG OTHER - SPECIFY
GLAZING*	BE		1		1							'n	: 0	\$I ***	E - AWN F - SOL S - OVEI DTHER -
L	TYPE		1		1								LEGEND	-	
SIZE	± × .⊐.	(66×33	36484	or	"37 × "OS)								LE	ING:	SOLAR FILM VEN BLIND STORM WINDOW DRAPES
	M			door								AREA	:	***SHADING:	SOLAR FILM VEN BLIND STORM WINDO
	3			Sheling								TOTAL AREA		÷	4800
	SW			2/8								·			¥
NUMBER EXPOSURE	S	4	_	1140										;	- WOOD - METAL - METAL/THERMAL BREAK
ZX	SE													**FRAME:	HERMA
	ш			set										*	00 TAL TAL/TI
	岁			-/										,	오뿔분
	Ψ.	4	3)	-1	<u></u>		-							5 3≅⊢
	WINDOW TYPE DESIG.	1/8/1/m3 5	Porsenned Single		Shiding Wood	•	-				-			*GLAZING:	1 - ORDINARY 2 - ¼" PLATE 3 - HEAT ABSORBING 4 - TINTED

				•	LOCATI	·^ //L/
2.4	BUILDING ENVELOPE CONSTRUCTION				-	146
	WALL	COLOR: D	M L	ROOF (INCL. CLG.)	TYPE: F COLOR: D	P M
	MATERIAL	THICKNESS (IN	.) R VALUE	MATERIAL	THICKNESS (IN.)	R VALUE
	OUTSIDE FILM			OUTSIDE FILM		
	Corr. Hetal	116		dorr Motel	1/16	
		31/2"		Airs pace		
	Gyp Bd. Mosonile	3'/2"		Arspace Gyp Board		
ul	Masonile	1/84		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		
	INSIDE FILM			INSIDE FILM		
		.:	,	1 1	2. TOTAL	1
		TOTA	AL	not vente	TOTAL	Į.
	U-FACTOR FLOOR	ARI		U-FACTOR DOOR	AREA	
	FLOOR SOG	ARI	EA	U-FACTOR DOOR	AREA	R VALUE
	FLOOR SOS	ARI	EA	DOOR MATERIAL		R VALUE
	FLOOR SOG	ARI	EA	U-FACTOR DOOR	AREA	R VALUE
	FLOOR SOS	ARI	EA	DOOR MATERIAL	AREA	R VALUE
	FLOOR SOS	ARI	EA	DOOR MATERIAL	AREA	R VALUE
	FLOOR SOS	ARI	EA	DOOR MATERIAL	AREA	R VALUE
	FLOOR SOS	ARI	EA	DOOR MATERIAL	AREA	R VALUE
	FLOOR SOS	ARI	EA	DOOR MATERIAL	THICKNESS (IN.)	R VALUE
	FLOOR SOS	ARI	.) R VALUE	DOOR MATERIAL OUTSIDE FILM	AREA	R VALUE

LOCATION	FAL
BLDG. NO.	146

3.1 <u>HEATING EQUIPMENT</u>

Heat Seurce: Furnace Steam Hot Water Heat Supplied Steam or Hot Water Other Boiler Boiler Pump (External Boiler Plant)
Boiler — Boiler — Pump — (External Boiler Plant) — — — — — — — — — — — — — — — — — — —
Capacity: 250,000 Btu/Hr or Boiler HP or Lbs/Hr Steam or GPM Hot Water
Manufacturer: <u>Lennox</u> Model No.: <u>G1305-165-1</u> 50 58736
Boiler/Furnace Control: Manual Time Clock Demand EMCS 02 Trim
Operating Temperature: 300°F Limit 160°F Fan OCC °F Operating Pressure: 10/A PSI
Fuel: Nat. Gas Only Nat. Gas/ Draft: Forced **Other (Specify) Propune 3/4" & Supply Induced
y Other (Specify) Propane 3/4" & Supply Induced
Burner: Mfg. 5
Operating Schedule: Weekdays: From To Hr/Day Hr/Day
Weekdays & Holidays: From To Hr/Day
Operating Season: From Mon/Day, to Mon/Day
Flue Gas Temperature: °F Receiver Tank Conditions: PSIG °F
If supplied Steam Steam Pressure — PSI Hot Water Supply Temp. — °F Hot Water Return Temp. — °F or Hot Water:
Insulation: (1) Boiler Furnace is all in but (2) Other (Specify) SA Duct Poor condition, but (2) Other (Specify) SA Duct 12
Poor Area Ofte P. P. Poor Area OCO
None Temp. °F None Temp.
Pump: No. of Pumps Coxe V/PH/FLA /
Mfg Model HP RPM
HW Pump Starter: HOA Reset P/B S/S Push Button Interlocked with Boiler? Yes No
FOR LARGE BOILERS (over 6,000 MBTUH): Combustion Control MfgModel
Condensate Pumps/Hot Water Pumps: Mfg. Model HP
Boiler/Furnace Condition:
Describe
Occupant Discomfort (Evaluate): No complaints - Fifter Class

3.2 COOLING EQUIPMENT

COMPRESSOR(S)/CHILLER	none	COOLING TOMER	noxe.
Manufacturer		Gravity	
Model No.		Mech. Draft	
Size		Manufacturer	
Refrigerant		Model No.	
Motor HP (if available)		Type of Fan	•
Motor Voltage		Fan RPM	
Motor FLA		Fan Motor HP	
Measured Amps		Fan Motor Voltage	
		Fan Motor FLA	
CONDENSER/CONDENSING UNIT	none	Measured Amps	
Water Cooled		·	none
Air Cooled		CHILLED WATER PUMPS	[If more than one, how many
Evaporative	· · · · · · · · · · · · · · · · · · ·	operative during	normal operation:)
Manufacturer		Manufacturer	
Model No.	··	Model No.	
Size		Capacity Gals.	
Type of Fan		Head, Ft.	
Fan Motor HP		Motor HP	
Fan Motor Voltage		Motor Voltage	
Fan Motor FLA		Motor FLA	
Measured Amps		Measured Amps	
	more than one, ho	w many operate on normal operation:)
Manufacturer			2647
Model No.			36" []
Capacity, Gals.			2011
Head, Ft.		-	
Motor HP			
Motor Voltage			eval dooler
Motor FLA			
Measured Amps			
REMARKS: Evap Ca	olor, see	n following & guellotnied do	el dontiel.
see d	agion o	n Sollowin &	Lest a
recon	near dol	quellotned do	week.
		1	- Je

3.3 AIR HANDLING EQUIPMENT

FANS	,	_		
Туре	Evap dool	r Krnoe	e	
Unit/Zone	#	<u>#</u>		<u> </u>
Manufacturer	-			
Model No.	4			
Туре	e e			
RPM of Fan	Car	<u> </u>		
Motor HP	N/HP	X N/HP		
Motor Volts	ح ک	<u> </u>	•	
Motor FLA	- 2			
Measured Amps				
CFM (from Plans)		Reco		
Notes		<u></u>		
COILS	SORR			
Indicate capacities v	where found:			
	COOLING	•	HUMIDIFICATION	
	DX		ELEC	
	H ₂ 0		STEAM	
	OTHER		H ₂ 0	
	HEATING		OTHER	
	GAS		AUX/MISC OTHER	
			,	
FILTERS				
Туре	Furnace	Eval C	color Updia	
Condition	aood - 1	earl Scal	al up.	
Manometer Reading $\underline{1}/$				

 $\underline{1}$ / Record only if manometer is installed on the unit.

LOCA	T-I 01	V	FHL
BLDG.	∷ 0.		146

3.4 DOMESTIC HOT WATER HEATING SYSTEM / EQUIPMENT

a.	Is System Supported from (check one): Central Plant One System per Building Several Small Systems per Building
ь.	Domestic Hot Water Temperatures provided: <u>None available</u> :
с.	Average Pipe Sizes of All HW Piping and Approximate Run of Each:
d.	Is Piping System Insulated and Condition: \mathcal{L}/\mathcal{A}
₽.	Is Hot Water Circulated?
	1) Condition of circulator 3) Is aquastat provided?
	2) Circulator capacity
001	MESTIC HOT WATER HEATING EQUIPMENT (If more than one location, list each one) were available
a.	Location
٥.	Areas Served
٥.	Manufacturer and Model
i.	Energy (Oil, Gas, Electric, Coal, Etc.)
≥.	Type Heaters & Quantities:
	1) Storage
	2) Instantaneous
	3) Semi-Instantaneous
F.	Heater Size and Storage Capacity
).	Heating Capacity
۱.	Type Controls (Air, Steam, Electric)
	When Installed & Condition
i.	Heater Temperature Setting
٤.	Average Water Maintained Temperature
	Temperature Differential (j) - (k)
1.	Is Hot Water Supply Adequate:
ı. O.	Insulation Thickness Type

LOCA	TION	FHC
BLDG.	NO.	146

3.5 CONTROL/MISCELLANEOUS PROCESS/SKETCHES

CONTROLLERS: ELECTRIC ELECTRONIC	PNEUMATIC OPE	ERATION: MANUAL = CONTINUOUS. DEMAND	TIME CLOCK EMCS
MFG	MODEL	LOCATION	
CONDITION (GIVE DETAILED LIST OF PROBLE	MS AS REQUIRED):	ut/dool sunklin	
	77		
EVAP	NO ISPER DAMPER SENACE INSTRICTOR DAMPE	FOUND ALC TINE	

3.6 SPECIAL EQUIPMENT

IDENTIFICATION NO.	LOCATION (ROOM)	DESCRIPTION (MANUFACTURER, MODEL NO.)	CONNECTED LOAD KH HP	REMARKS
Model Shop		Exhaust Fon	烘汽	
		Druell Pross	0.5	
		Sour-Matel	1.0	
		Grinder	1.0	·
		Lathe	0.75	
		Line bedor.	32A 230V	
		Re Crigorytor France		11cf
OTHER SHOP AN	15 AS	Drill Press	1.0	
		Unions Tastr	0,25	
		Medel Broak	monde	
		Musider	0.5	
		D1111 S1055	0.5	
		Grinder	0.5	
		Rofrigordor		6 CF
		Rofugerolor Ice Mechine	1/2+1/30 +9watts	TOTAL forall HAVS
	* '' • • • • • • •	Washing Medine		Donoohe Type
		J J	mound	
		Water Cooler		stundard.

	4.2.1 Interior L	ighting												1
BLDG.	REMARKS (LIGHTS/SWITCH)				Stoutlet Holland									
	WINDOW	8	\											
	F I I S I I I S I I I S I I I S I I I I	7										-		Tasks Code:
LOCATION	COLORS I L L A M L L L L L L L R O C L T R C L R C L L R C L L R C L L R C L L R C L	M W 7												Ţ
3	MEASURED ILLUMI- CEIL ING NATION HEIGHT		8	-0"	at o	xee	2, /	1'-3	"at	paa	Kiû	On	br	
	MEASURED ILLUMI- NATION	3												GEND:
	WATTS PER SQ.FT.													J H
	FLOOR AREA SERVED	1 1								,				D I I
	LIGHTING REA ENERGY SERVE	2												H D L L G H
	DAYS/ YEAR ON	Word								, <u>.</u>				3
	HOURS/ DAY ON	8-9												
	TOTAL WATTS	3000												
	NUMBER OF FIXTURES	3		_	7	:						_		
	LAMPS NUMBER PER OF FIXTURE FIXTURES AND WATTS/	18		2/8/	12/									
	LAMP TYPE AND WATTS	34		7/6] -	٧					<u> </u>		LD ING ENERGY	
	FIXTURE	N		S	5								TOTAL BUILDING LIGHTING ENERGY	
LIGHTING	TASK CODE			=									1	

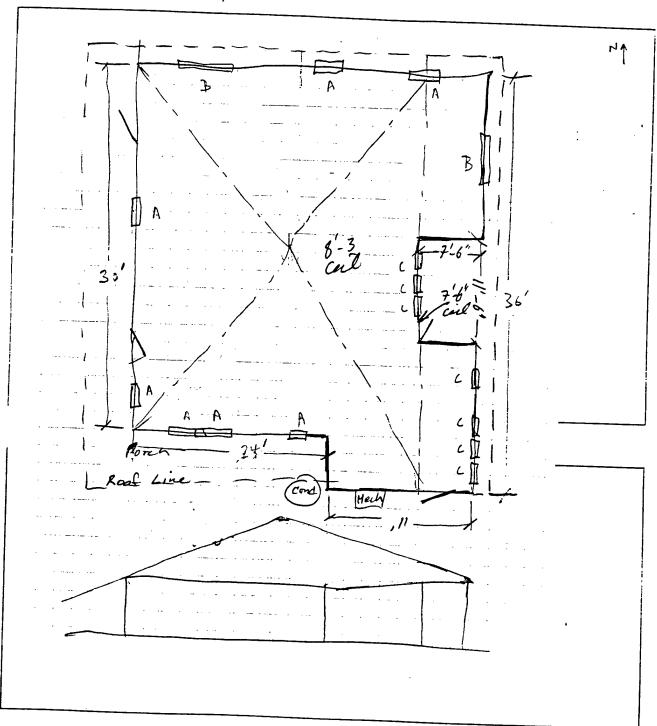
1 = Corridors 6 = Offices-drafting 12 = Storage room 2 = Kitchens 7 = Laundry 13 = Retail store 3 = Dining 8 = Toilets (Px, commissary) 4 = Offices-general 9 = Sleeping quarters Other (describe on 5 = Offices-bookkeeping 10 = Supply rooms audit form) (ledgers only) 11 = Repair shops E = Exterior If there are windows, indicate: Curtains = C Shades = S No Shading = NS Window Code: Incandescent = I Fluorescent = F Sodium Vapor = SV Mercury Vapor = MV Metal Halide = MH Other--Describe Lamp Types: Recessed = R Suspended = S Ventilated = V Pole Mounted = PM Other--Describe Fixture Types:

> LIGHTING 4.2.1

1 ARCHITEC																				٠		
ATION	141	<u></u>				_ su	RVEY	'ED E	3Y		Bı	17/1	ζ 1 Ε	<u>}_</u>					_ DAT	Γ Ε	OCT	92
DING NUMBER_	T-1	49				_ FUI	NCT I	(ON/	JSE_		FA	Μ،۷	1	SNC	الدر	م						
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	•	·		-							* *******				-							
AL BUILDING	DATA																					
UILDING AGE	:			_YEA	RS								:									
OUPLICATE BU	ILDING N	νs: <u> </u>			•							_	:						TOTA	 L:		
		· _																				
SIMILAR BUIL	DING NOS	:																	TOTA:	 L:		
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BUILDING OCC											7;					NO.	OF	occ	UPAN	rs	5	
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ADDITIONAL	COMMENTS	, CRIT	TICAL	LOAD	S: _													~				
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CRAWL SPACE	: VENT	TILATE	٦		EXHA	USTE	:o															
					EXHA		_	_														
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2.2 BUILDING FLOOR PLAN AND ELEVATION SKETCHES

FLOOR PLAN (Show dimensions and zones)



LOCATION FHL
BLDG. NO. 149

										Ī]			
		REMARKS														4 - CASEMENT 5 - LOUVERED 6 - FIXED GLASS
TACTI TOATION	ICIWA 10H	. CRACK LENGTH													WINDOW TYPES:	5 - CA 5 - LOU 6 - FI)
an.	1	FII LOOSE AUG	<i>^</i>	,	,								:		WINDOW	
	47.1	W/S	>	\	7											1 - DOUBLE HI 2 - SINGLE HI 3 - SLIDING
	TYPE	*	3	3	3										,	
	T	TRPL											<u></u>	!	ILITY:	SCREE!
GI AZTNG*		層											U-VALUE	••	****VISIBILITY:	E - AWNING F - SOLAR SCREEN G - OVERHANG OTHER - SPECIFY
2		TYPE		-	_						-			N D	# #	
	312E	L×H	28,×48	32x55	27×30°									LEGEND	<u>و</u> :	ILM VD I NDOM
П	I	≩											L GE	!	***SHADING:	- SOLAR FILM - VEN BLIND - STORM WINDOW - DRAPES
		*	7										TOTAL AREA		*	B - SO
	L	₹											2			
NUMBER	A CONTRACT	ν	3													BREAK
2	Г	SE					-		 						**FRAME:	ERMAL
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	\vdash	z	7													W - WOOD M - METAL T - METAL/THERMAL
H	TYPF	:													' 1	321-
, 8002	-	DESTG.	E	B	J										*GLAZING:	1 - ORDINARY 2 - 1," PLATE 3 - HEAT ABSORBING 4 - TINTED

HEATING EQUIPMENT Heat Source: Steam Hot Water Heat Supplied Steam or Hot Water Other	LOCATION FHL	1		
Furnace Steam Hot Water Heat Supplied Steam or Hot Water Other Capacity: 40,000 Btu/Hr or Boiler HP or Lbs/Hr Steam or GPM Ho Manufacturer: CARCER Model No.: SBGSCO6C Boiler/Furnace Control: Manual Time Clock Demand EMCS Boiler/Furnace Control: Manual Time Clock Demand EMCS Operating Temperature: °F Operating Pressure: Fuel: Nat. Gas Only Nat. Gas/ Draft: Forced Induced Burner: Mfg. Model No. Metering Equipment: Yes Operating Schedule: Meekdays: From To Hr/Day Operating Schedule: Weekdays: From To Hr/Day Operating Season: From Mon/Day, to Induced If supplied Steam Steam Pressure PSI Hot Nater Supply Temp. °F Hot Water Return Temp. Insulation: (1) Boiler (2) Other (Specify) Poor Area FT2 Poor Area None Temp. Temp. Y/PH/FLA Pump: No. of Pumps V/PH/FLA //	BLDG. NO. 149			HEATING EQUIPMENT
Manufacturer:	Other	lied Steam or Hot Water (
Boiler/Furnace Control: Manual Time Clock Demand EMCS	orGPM Hot Wat	Lbs/Hr Steam or _	Boiler HP or _	Capacity: <u>90,000</u> Btu/Hr or
Operating Temperature:	065	Model No .: 5845C 065		Manufacturer: CARRER
Fuel: Nat. Gas Only Nat. Gas/ Draft: Forced Induced Burner: Mfg. Model No. Metering Equipment: Yes Operating Schedule: Weekdays: From To Hr/Day Weekdays & Holidays: From To Hr/Day Operating Season: From Mon/Day, to Flue Gas Temperature: °F Receiver Tank Conditions: PSIG If supplied Steam Steam Pressure PSI Hot Nater Supply Temp. °F Hot Water Return Temp. Insulation: (1) Boiler (2) Other (Specify) Poor Area FT2 Poor Area None Temp. °F None Temp.		•		•
Fuel: Nat. Gas Only Nat. Gas/ Draft: Forced Induced Burner: Mfg. Model No. Metering Equipment: Yes Operating Schedule: Weekdays: From To Hr/Day Weekdays & Holidays: From To Hr/Day Operating Season: From Mon/Day, to Flue Gas Temperature: °F Receiver Tank Conditions: PSIG If supplied Steam Steam Pressure PSI Hot Nater Supply Temp. °F Hot Water Return Temp. Insulation: (1) Boiler (2) Other (Specify) Poor Area FT2 Poor Area None Temp. Pump: No. of Pumps V/PH/FLA / /	P	Operating Pressure:	°F	Operating Temperature:
Burner: Mfg				
Weekdays & Holidays: From				
Weekdays & Holidays: From	Hr/Day	To Hr/D	From	Operating Schedule: Weekdays:
Operating Season: FromMon/Day, to				Weekdays & Holidays:
If supplied Steam PressurePSI Hot Water Supply Temp°F Hot Water Return Temp Insulation: (1) Boiler (2) Other (Specify) Poor Area FT^2 Poor Area None Temp °F None Temp Pump: No. of Pumps V/PH/FLA / /				Operating Season:
Insulation: (1) Boiler (2) Other (Specify) Poor Area FT2 Poor Area None Temp. °F None Temp. Pump: No. of Pumps V/PH/FLA / /	PSIG	cions:PSIG	Receiver Tank Condi	Flue Gas Temperature:°F
Poor Area FT2 Poor Area None Temp. °F None Temp. Pump: No. of Pumps V/PH/FLA / /	Water Return Temp.	/ Temp°F Hot Water	PSI Hot Water Suppl	If supplied Steam Steam Pressure
Poor Area FT2 Poor Area None Temp. °F None Temp. Pump: No. of Pumps V/PH/FLA / /		(2) Other (Specify)		Insulation: (1) Boiler
None _ Temp			F	Poor Area
				None Temp
MfgModelHP RPM		V/PH/FLA//		Pump: No. of Pumps
	HP RPM	НР	Mode1	Mfg
HW Pump Starter: HOA Reset P/B S/S Push Button Interlocked with Boiler? Yes				

Condensate Pumps/Hot Water Pumps: Mfg. _____ Model _____ HP____

Boiler/Furnace Condition:

Describe____

Occupant Discomfort (Evaluate):

HEATING EQUIPMENT

3.2 LOOLING EQUIPMENT	3.2	COOLING EQUIPME!	۲V
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LOCATION FHL
BLDG. NO. 149

COMPRESSOR(S)/CHILLER			C001 740 moves
Manufacturer	CARRIER		COOLING TOWER
Model No.	SEH 0363 31	<u> </u>	Gravity
Size		-	Mech. Draft
Refrigerant		· i ————	Manufacturer
Motor HP (if availab	ole)	:	Model No.
Motor Voltage	2301/10	•	Type of Fan
Motor FLA	18.1	· 	Fan RPM
Measured Amps			Fan Motor HP
	:		Fan Motor Voltage
CONDENSER/CONDENSING U	NIT		Fan Motor FLA
Water Cooled		- PEGO-	Measured Amps
Air Cooled			CHILLED WATER PUMPS (If more than one, how many
Evaporative			operative during normal operation:)
Manufacturer	:		Manufacturer
Model No.			
Size			Capacity Gals.
Type of Fan	LUND.		Head, Ft.
Fan Motor HP	YELP	1	Motor HP
Fan Motor Voltage	230/16		Motor Voltage
Fan Motor FLA	0.9		
Measured Amps			Measured Amps
CONDENSED MADE COM			
M	(If more than one	e, how many o	perate on normal operation:)
Manufacturer		-	·
Model No.			-
Capacity, Gals.			-
Head, Ft.			·
Motor HP			
Motor Voltage			
Motor FLA			
Measured Amps			
EMARKS:			·
		······································	

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LIGHTING

1041186												7	LOCATION	<u> </u>		ドオし	BLDG.	146
	CTURE	AMP	LAMPS	NUMBER	TOTAL				E .	MATTS	MEASURED		COLORS		INISH —			
C00E 17	TYPE	TYPE AND WATTS	FIXTURE FIXTURES AND AND	OF FIXTURES	WATTS	ON V	YEAR	LIGHTING TREA ENERGY SERVED	AREA	PER SQ.FT.	ILLUMI - CEILING NATION HEIGHT	CE TL ING HE I GHT	הר אצ רר אצ	100	3∢	L WINDOW 0 CODE	REMARKS	
\dashv	\dagger		FIXTURE	1				(KWH/YR) (FT ²) (W/FT ²)	(FT ²) (W/FT ²)	(FC)	(FT)	S Z	R G			(LIGHTS/SWITCH)	
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TOTAL BUILDING LIGHTING ENERGY	LDING														-			1
																		7

LEGEND: LIGHTING

Window Code: Incandescent = I Fluorescent = F Sodium Vapor = SV Mercury Vapor = MV Metal Halide = MH Other--Describe Lamp Types: Recessed = R
Suspended = S
Ventilated = V
Pole Mounted = PM
Other--Describe Fixture Types:

If there are windows, indicate: Curtains * C Shades * S No Shading * NS

l = Corridors 6 = Offices-drafting 12 = Storage room 2 = Kitchens 7 = Laundry 13 = Retail store 3 = Dining 8 = Toilets (Px, commissary) 4 = Offices-general 9 = Sleeping quarters Other (describe on 5 = Offices-bookkeeping 10 = Supply rooms audit form) (ledgers only) 11 = Repair shops E = Exterior

Tasks Code:

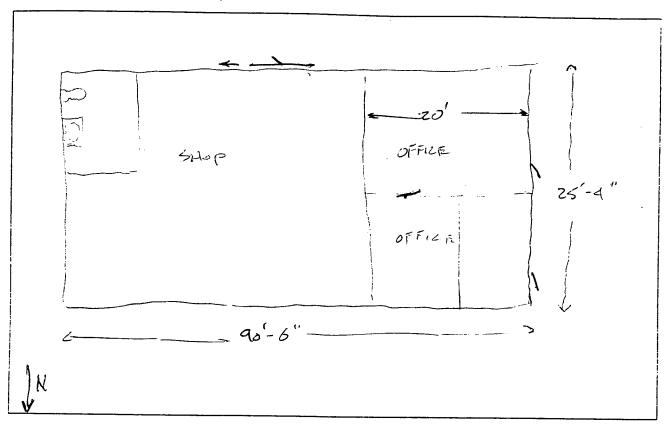
LIGHTING 4.2.1

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.DING NU	MBER_	<u> </u>	5	6				F	UNCT	ION/	USE_	4	4	21	>									
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MUMITON	JOOKO	L (0#	.	.,,.		'/																		
RAL BUI	LDING	DATA																						
BUILDIN	IG AGE:					YE#	ARS																	
DUPLICA	NTE BUI	LDING	NOS	: _																				
																					TOTAL	<u>L:</u>		
SIMILAF	R BUILD	ING N	IOS:																					
																					TOTAL	<u>L:</u>		
BUILDII	NG OCCU	PANCY	':			C	ITNC	NUOL	JS (2	4 HF	RS/D	AY) [NO	. OF	000	UPAN	TS	2	
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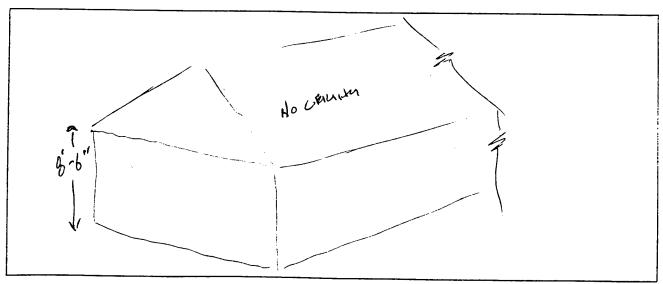
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CRAWL	SPACE:	VE		AT ED																				

2.2 BUILDING FLOOR PLAN AND ELEVATION SKETCHES

FLOOR PLAN (Show dimensions and zones)



SOUTH ELEVATION (Show floor to ceiling elevations)



	_	· ~								 Γ	ĭ	 					
	REMARKS ***, ***	50 30 00 8 840 44	प्रक्य 🗥	1 to suct it and	B/F	Q1705	राष्ट्र	Q naz									4 - CASEMENT 5 - LOUVERED 6 - FIXED GLASS
INFILTRATION	CRACK LENGTH	2×62:	44.4"	25×57"	2489"		(%+t2) ×t									WINDOW TYPES:	410.0
INF	FIT LOOSE AUG	AVC	1/4/17	Ava	Ava		11911									WIND	- DOUBLE HUNG - SINGLE HUNG - SLIDING
	W/S YES NO								_						•		3 - 50 3 - 51 3 - 51
TYPF	OF FRAME**	٤	3	1	*		3									 -	EEN Fy
	TRPL													U-VALUE		IBILIT	ING AR SCR RHANG SPECI
GLAZING*	DBL													-n		****VISIBILITY:	E - AWNING F - SOLAR SCREEN G - OVERHANG OTHER - SPECIFY
ថ	TYPE	_)	_	_		_								EGEND	₹ !	mr 60
SIZE	L×H	30×6g	ים" גול"	, 20×0x	1919	× 2-10 × 2-10 × 2-10	,,&) ×,,2]	36×							끠	DING:	SOLAR FILM VEN BLIND STORM WINDOW DRAPES
	¥													TOTAL AREA		***SHADING:	SOLAR VEN B STORM DRAPE
	3						4							TOTAL			4 8 U D
E -	NS S	$\overline{\mathbf{x}}$		10		2	12										REAK
NUMBER EXPOSURE	SE	×		NA		(0	44									¥.	I - WOOD I - METAL - METAL/THERMAL BRE/
	E															**FRAME	IL/THE
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	TYPE	n	0	W	W											;	Y E SORBIN
D00R/	WINDOW DESIG.	- of 1/4				D2012	W. 1200	Poor.								*GLAZING:	1 - ORDINARY 2 - 1," PLATE 3 - HEAT ABSORBING 4 - TINTED

BUILDING ENVELOPE	-				BLDG. :	NO. 156	
CONSTRUCTION		¬			TYPE: F	Р	
WALL	COLOR: D		L	ROOF (INCL. CLG.)	COLOR: D	X M	
MATERIAL	THICKNESS (IN.)	R VALUE		MATERIAL	THICKNESS (IN.)	R VALUE	
OUTSIDE FILM				OUTSIDE FILM			
				· · · · · · · · · · · · · · · · · · ·			
		77					_
INSIDE FILM				INSIDE FILM			
	TOTAL				TOTAL		
J-FACTOR	AREA			U-FACTOR	AREA		=
MATERIAL	THICKNESS (IN.)	R VALUE		DOOR MATERIAL	THICKNESS (IN.)	R VALUE	
	THICKNESS (IN.)	R VALUE			THICKNESS (IN.)	. R VALUE	
	THICKNESS (IN.)	R VALUE			THICKNESS (IN.)	R VALUE	_
MATERIAL	THICKNESS (IN.)	R VALUE		MATERIAL	THICKNESS (IN.)	R VALUE	
MATERIAL	THICKNESS (IN.)	R VALUE		MATERIAL	THICKNESS (IN.)	R VALUE	
MATERIAL	THICKNESS (IN.)	R VALUE		MATERIAL	THICKNESS (IN.)	R VALUE	
MATERIAL		R VALUE		MATERIAL	THICKNESS (IN.)	R VALUE	
MATERIAL		R VALUE		MATERIAL	THICKNESS (IN.)	R VALUE	
MATERIAL		R VALUE		MATERIAL	THICKNESS (IN.)	R VALUE	
MATERIAL OUTSIDE FILM		R VALUE		MATERIAL OUTSIDE FILM	THICKNESS (IN.)	R VALUE	
OUTSIDE FILM		R VALUE		MATERIAL OUTSIDE FILM INSIDE FILM		R VALUE	
MATERIAL OUTSIDE FILM INSIDE FILM	TOTAL	R VALUE		MATERIAL OUTSIDE FILM INSIDE FILM	TOTAL	R VALUE	
MATERIAL OUTSIDE FILM INSIDE FILM	TOTAL	R VALUE		MATERIAL OUTSIDE FILM INSIDE FILM	TOTAL	R VALUE	

ROOF 1-1ALL 3/2" (3)[GYPO-AIRIS OFFICE AREA War Foot STD ZX4 14" PLYLLOUD Stop

LOCATION	FHL
BLDG. NO	156

3.1 HEATING EQUIPMENT

==	CHITTIE EQUITION			UGICIE WEAD
Н	leat Source: Furnace Steam Hot Water Heat Super Boiler Pump (Ex	plied Steam or Hot Water ternal Boiler Plant)	Other_	ELEC WALL HE HE
C	Capacity:Btu/Hr orBoiler HP or	Lbs/Hr Steam	or <u> </u>	GPM Hot Water
١	lanufacturer: H. MAWE RATE	Model No.:		
E	Boiler/Furnace Control: Manual Time Clock	Demand	EMCS	0 ₂ Trim
(Operating Temperature:°F	Operating Pressure:		PSI
	Fuel: Nat. Gas Only Nat. Gas/	_ Draft:F	Forced Induced	
ı	Burner: Mfg Model No	Metering	g Equipment	: Yes No
	Operating Schedule: Weekdays: From	То	_ Hr/Day	
	Weekdays & Holidays: From	To	_ Hr/Day	
	Operating Season: From	Mon/Day, to		Mon/Day
	Flue Gas Temperature:°F Receiver Tank Con	ditions:	_PSIG	°F
	If supplied Steam Steam PressurePSI Hot Water Supplied S	(2) Other (Specify)_ _FT ² Poor Area_		FT2
	Pump: No. of Pumps	V/PH/FLA	/	
	MfgMode1		1P	RPM
	HW Pump Starter: HOA Reset P/B S/S P	ush Button Interlocked w		
	FOR LARGE BOILERS (over 6,000 MBTUH): Combustion Control M	fg	Mode1	
	Condensate Pumps/Hot Water Pumps: Mfg.	Model		HP
	Boiler/Furnace Condition:			
	Describe			
	Describe			
	Occupant Discomfort (Evaluate):			
	SHEP HTS LOOD-FEITZNING ST	OVE		HEATING EOUIPME

LOCATION	FHL
BLDG. HO.	156

3.2 COOLING EQUIPMENT

COMPRESSOR(S)/CHILLER		COOLING TOWER		
Manufacturer		Gravity		
Model No.		Mech. Draft		
Size		Manufacturer		
Refrigerant		Model No.		
Motor HP (if available)		Type of Fan		
Motor Voltage		Fan RPM		
Motor FLA	_	Fan Motor HP		
Measured Amps		Fan Motor Voltage		
		Fan Motor FLA		
CONDENSER/CONDENSING UNIT		Measured Amps		
Water Cooled				
Air Cooled			f more than one, how many	
Evaporative		operative during norma	ol operation:))
Manufacturer		Manufacturer	\	
Model No.		Model No.		
Size		Capacity Gals.	-\	
Type of Fan		Head, Ft.		—
Fan Motor HP		Motor HP		
Fan Motor Voltage		Motor Voltage		
Fan Motor FLA		Motor FLA		
Measured Amps	\	Measured Amps		
CONDENSER WATER PUMPS (If more than	one how many operate	on normal operation:		
Manufacturer			/	
Model No.				
Capacity, Gals.				
Head, Ft.				
Motor HP				
Motor Voltage				
Motor FLA		· · · · · · · · · · · · · · · · · · ·		
Measured Amps				
	IT IN OFFICE	= / Lutoon Alc	- IN OFFICE CHNE	14
2x SHAMP COOLE	rs in Str	/	(1-2	(3~)

		LOCATION FITC
D	OMESTIC HOT WATER HEATING SYSTEM / EQUIPM	ENT BLDG. NO
a	. Is System Supported from (check one):	Central Plant One System per Building
		Several Small Systems per Building
		1.1.8
b.	. Domestic Hot Water Temperatures provide	d:
c.	Average Pipe Sizes of All HW Piping and	Approximate Run of Each:
đ.	Is Piping System Insulated and Condition	n:
e.	Is Hot Water Circulated? 45	
		3) Is aquastat provided?
		4) Aquastat temperature setting
<u>DO</u>	MESTIC HOT WATER HEATING EQUIPMENT (If mo	ore than one location, list each one)
a.	Location	BH TT1260M
b.	Areas Served	of Hill regard
c.	Manufacturer and Model	STATE SCI 6 IMSI KH
d.		17
е.		¥ C;7 \$
	1) Storage	6-4-4
	2) Instantaneous	5-GHE
	3) Semi-Instantaneous	×
f.	Heater Size and Storage Capacity	6 GAC
q.		1.65 KW
h.	Type Controls (Air, Steam, Electric)	MAN
i.	When Installed & Condition	
	2112 52 7 7 52 52 5011 57 57 57	
.1.	Heater Temperature Setting	
j. k.	Heater Temperature Setting Average Water Maintained Temperature	
	Average Water Maintained Temperature	
k.	Average Water Maintained Temperature Temperature Differential (j) - (k)	VIE 5
k. 1.	Average Water Maintained Temperature	

IDENTIFICATION NO.	LOCATION (ROOM)	DESCRIPTION (MANUFACTURER, MODEL NO.)	CONNECTED LOAD KW	REMARKS
		DUST COCHECTER	ISHP	708 V, 3d

GHTING												01	LOCATION		立立		BLDG.	18	•
													COLORS	<u> </u>	FINISH				4.2.
TASK CODE	FIXTURE	LAMP TYPE AND	LAMPS PER FIXTURE AND	NUMBER OF FIXTURES	TOTAL WATTS	HOURS/ DAY ON	DAYS/ YEAR ON	LIGHTING F ENERGY	FLOOR AREA SERVED	WATTS PER SQ.FT.	MEASURED ILLUMI - CEILING NATION HEIGHT	EIL ING HEIGHT	-r>=	100 100	34J-	WINDOW	REMARKS		l Interio
		WATTS	WATTS/ FIXT'IRE	·				(KWH/YR) (FT ²)	- 1	(W/FT ²)	(FC)	E					(LIGHTS/SWITCH)	£	or Li
Jape	5	de la la la la la la la la la la la la la	with	18							46.50			-					ghting
DATA TO THE	5	9/4	100	_	60														
13/2	2	at to	14	٦.															
1375	1	F40	1/2																
				÷															
	(
														-					
701 Li6	TOTAL BUILDING LIGHTING ENERGY	DING VERGY																	
								LIGHTING	I N G	LEG	LEGEND:								

1 = Corridors 6 = Offices-drafting 2 = Kitchens 7 = Laundry 3 = Dining 8 = Toilets 4 = Offices-general 9 = Sleeping quarters 5 = Offices-bookkeeping 10 = Supply rooms (ledgers only) 11 = Repair shops Tasks Code: If there are windows, indicate: Curtains = C Shades = S No Shading = NS Window Code: Incandescent = I Fluorescent = F Sodium Vapor = SV Mercury Vapor = MV Metal Halide = MH Other--Describe Lamp Types:

12 = Storage room
13 = Retail store
(Px, commissary)
Other (describe on audit form)
E = Exterior

3

Recessed = R Suspended = S Ventilated = V Pole Mounted = PM Other--Describe

Fixture Types:

4. <u>3 PO</u>	WER USAGE SURVEY			
4.3.1	CRITICAL LOAD (Comput	ter, Communicati	ons)	
	Describe:	COMPUTE	TE 1H OFFICE	
		·		e •.
				· -
4.3.2	RECEPTACLES IN USE _	50%	PERCENT	
4.3.3	SMALL APPLIANCES IN U	JSE (ENTER COUNT	·)	
	Water Cooler			
	Vending Machine		•	
	Space Heater		-	
	Coffee Pot			
	TV		_	

XEROX

Other:

PRINTEIL

RFFRAG

LOCATION FAL BLDG. NO. 156

LOCATIO)и	FHL	
BLDG.	NO.	156	

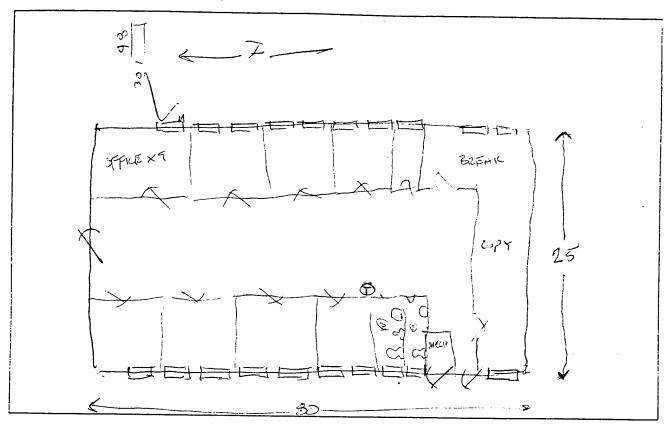
4.4 SPECIAL ELECTRIC EQUIPMENT

IDENTIFICATION NO.	LOCATION (ROOM)	DESCRIPTION (MANUFACTURER, MODEL NO.)	CONNECTED LOAD KW	REMARKS
·	Stop	PADUR SAW	'3 HP	
	SHOP	RADIA SAN	7.5 HP	
	Stop	SHATTER	3tp	
	Sity	Misuz Stu	ZHP	·
	Stop	Pitch simpler	3119	
CRE ARY	L151/1	EST INDERZ I HP.		

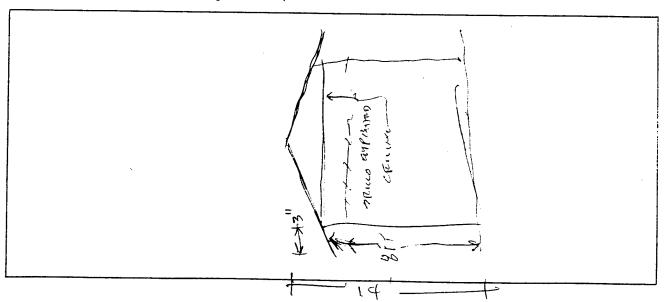
OI TAM	N SC	URC	E (DW	IG. N	10./P	ERS0	N)	_			\bigvee	12	γŲ	Αl												
DING NUMBER 1(A) FUNCTION/USE ####################################																										
BUILDII	NG A	∖GE:		M	MZ		YE	ARS																		
OUPLICA	ATE	BUI	_DING	S NOS	i:							16	2 Z	_												
																							TOTA	L:		2
SIMILA	R BI	JILD	ING 1	NOS:																<u></u>						
													-										TOTA	L:		
BUILDI	NG (occu	PANC	Y:			c	ONT!	NUOU	JS (24	HRS	J/DA	Y) [NC). OF	000	UPAN	TS_		2
																					-					
м					Ι		<u> </u>	<		<u> </u>	T	+				+	_	\								
Ţ																										
W																										
т															_	_	<u> </u>									
F									<u> </u>		7	4						<u> </u>	<u> </u>			_				
S		_		_		_				_	_	1		_	<u> </u>	—		-								
	<u> </u>		<u> </u>	<u> </u>	<u> </u>		_	<u> </u>	Ļ	<u> </u>	10				<u> </u>	14	<u> </u>	16	<u> </u>	18	<u> </u>	20	<u> </u>	2	2/	1
	-	EOUS	EQU	I PME	NT:		•			<u> </u>										,						
			_																							
ADDITI	ONA	L CC	MMEN	TS.	CRIT	ICAL	LOA	DS:																		

2.2 BUILDING FLOOR PLAN AND ELEVATION SKETCHES

FLOOR PLAN (Show dimensions and zones)



SOUTH ELEVATION (Show floor to ceiling elevations)



BUILDING FLOOR PLAN AND ELEVATION SKETCHES

2.3 ARCHITECTURAL WINDOWS & DOORS

river :			_	 	 	 		 		 				
	REMARKS *** ***													ES: 4 - CASEMENT 5 - LOUVERED 6 - FIXED GLASS
INFILTRATION	CRACK													DOM TYP
1	FIT	LUUSE AUG	۲) کر											- SLIDING
	S	S NO	2										•	3
TVPF	OF FRAME**											ш		CREEN G CIFY
*9VI	DBL TRPL											U-VALUE	: <u> </u>	****VISIBILITY: E - AWNING F - SOLAR SCREEN G - OVERHANG OTHER - SPECIFY
GLAZING*	TYPE	-	<u> </u>										LEGEND	
1,13	512E	×										A.		***SHADING: - SOLAR FILM - VEN BLIND - ORAPES
	3		0				-			-		TOTAL AREA		A - SOL B - VEN C - STC D - DR
	MS													BREAK
NUMBER	EXPOSURE SE S											-		**FRAME: WOOD METAL/THERMAL B
	NE E		<u>ວ</u>							-				- METAL/
	z													3∑⊢
	DOOR/ WINDOW TYPE		WILDOW 3											*GLAZING: 1 - ORDINARY 2 - 14" PLATE 3 - HEAT ABSORBING 4 - TINTED
_			3	1		 		 <u> </u>		 !	ARCH	 ITECTU	JRAL W	INDOWS & DOORS

BUILDING ENVELOPE						
CONSTRUCTION				TYP	E: F	P 🗌
WALL	COLOR: D] M [] L [ROOF (INCL. CLG.)	COLO	R: D] M [] L
MATERIAL	THICKNESS (IN.)	R VALUE	MATERIAL	THICKNESS	(IN.)	R VALUE
OUTSIDE FILM			OUTSIDE FILM			
TOO PANTEL	1/4 "		MESHWALE			
POLY STEREIT	("		7676000	"(d"		
SMO	4."		STUD	٤"		
GIP POARCO	1/4"		SPAZIE	0-51/2		- 5.505 · · · · · · · · · · · · · · · · · ·
			CIPBURIO			
INSIDE FILM			INSIDE FILM			
	TOTAL				TOTAL	
·			=			
II_EACTOD	I ADEA I		II_FACTOR	į.	ARFA	
	AREA		U-FACTOR		AREA L	
FLOOR S. 6. G			DOOR		L	
<u> </u>		R VALUE	DOOR MATERIAL	THICKNESS	L	R VALUE
FLOOR S. 6. G		R VALUE	DOOR		L	R VALUE
MATERIAL		R VALUE	DOOR MATERIAL	THICKNESS	L	R VALUE
FLOOR S. 6. G		R VALUE	DOOR MATERIAL OUTSIDE FILM		L	R VALUE
FLOOR S. 6. G			DOOR MATERIAL OUTSIDE FILM		L	R VALUE
FLOOR S. 6. G			DOOR MATERIAL OUTSIDE FILM		L	R VALUE
FLOOR S. O. G			DOOR MATERIAL OUTSIDE FILM		L	R VALUE
FLOOR S. O. G			DOOR MATERIAL OUTSIDE FILM		L	R VALUE
FLOOR S. 6. G			DOOR MATERIAL OUTSIDE FILM	2	L	R VALUE
FLOOR S. 6. G	THICKNESS (IN.)		DOOR MATERIAL OUTSIDE FILM	2	(IN.)	R VALUE

			LOCATION FITL BLOG. NO. 161
HEATING EQUIPMENT - SÉÉ 3.2			
Heat Source: Steam Hot Water Boiler Boiler	Heat Supp	olied Steam or Hot Water ternal Boiler Plant)	PALICACIO HONT/ Souther Lose Nout
Capacity: 00,006 Btu/Hr or	Boiler HP or _	Lbs/Hr Steam	orGPM Hot Water
Manufacturer:		Model No.:	
Boiler/Furnace Control: Manual	Time Clock	Demand	EMCS 0 ₂ Trim
Operating Temperature:	°F	Operating Pressure:	PSI
Fuel: Nat. Gas Only Nat. Gas/ Nat. Gas/ Other (Specify)		Draft:	Forced Induced
Burner: Mfg			
Operating Schedule: Weekdays:	From	To	Hr/Day
Weekdays & Holidays:	From	То	Hr/Day
Operating Season:	From	Mon/Day, to	Mon/Day
Flue Gas Temperature:°F	Receiver Tank Condi	itions:	PSIG°F
If supplied Steam Steam Pressure or Hot Water:	_PSI Hot Water Suppl	y Temp°F Hot	Water Return Temp°F
Insulation: (1) Boiler		(2) Other (Specify)	
Poor Area	\	FT ² Poor Area_	FT ²
None <u>i</u> Temp		°F None Temp.	°F
Pump: No. of Pumps	NA	V/PH/FLA	
Mfg			
HW Pump Starter: HOA Res	et P/B S/S Pusi	n Button Interlocked	with Boiler? Yes No
FOR LARGE BOILERS (over 6,000 MBTUH): Cor	mbustion Control Mfg	·\	Mode1
Condensate Pumps/Hot Water Pumps: Mfg		Mode1	HP
Boiler/Furnace Condition:			
Describe			
Occupant Discomfort (Evaluate):			<u> </u>

3.1

LOCAT	ΓΙΟN	FILL
RLDG	::0	161

3.2 COOLING EQUIPMENT ! ENHOX SPUT SYSTEM

COMPRESSOR(S)/CHILLER	COMPIESSO-S	COOLING TOWER
Manufacturer	Low ARIGH	Gravity
Model No.		Mech. Draft
Size		Manufacturer
Refrigerant	R-22 R-22	Model No.
Motor HP (if available		Type of Fan
Motor Voltage	28/250 208/230	Fan RPM
Motor FLA	17.3RLA 76.5 RLB	Fan Motor HP
Measured Amps		Fan Motor Voltage
ricasar ca 7mps		Fan Motor FLA
CONDENSER/CONDENSING UNI	<u>IT</u>	
Water Cooled		Measured Amps
Air Cooled	<u> </u>	CHILLED WATER PUMPS (If more than one, how many
Evaporative		operative during normal operation:)
Manufacturer	LEUNOX	Manufacturer
Model No.	HS17-953-37	Model No
Size		Capacity Gals
Type of Fan	Prop	Head, Ft.
Fan Motor HP	3/9	Motor HP
Fan Motor Voltage	204/230	Motor Voltage
Fan Motor FLA	3.7	Motor FLA
Measured Amps	75)	Measured Amps
	29 SENTRE UNIT	
CONDENSER WATER PUMPS ((If more than one, how many ope	rate on normal operation:)
Manufacturer		
Model No.		
Capacity, Gals.		
Head, Ft.	`	
Motor HP		
Motor Voltage		
Motor FLA		
Measured Amps		
REMARKS: JHERRY	OSPAT IS NOT PROG	CAMITE HOLEVER T POES
HAVE 1	+ TME SHITCH	
• 1		

LOCATION	Fin
BLDG. NO.	101

3.3 AIR HANDLING EQUIPMENT

FANS				
Туре	JETT INDUNZ	· · · · · · · · · · · · · · · · · · ·		
Unit/Zone	#	#	#	<u> </u>
Manufacturer	てをいんひと			
Model No.				
Туре	(ENT BIRGT			
RPM of Fan				
Motor HP	1/2			
Motor Volts	120			
Motor FLA				
Measured Amps				
CFM (from Plans)				
Notes	1200			
COILS				
Indicate capacities w	where found:			
	COOLING		HUMIDIFICATION	
	DX Z TAGI	£	ELEC	
	H ₂ 0		STEAM	
	OTHER			
	HEATING		OTHER	
			AUX/MISC OTHER	
	ELEC			
300	OTHER \ dシ/ク	10 TRULL LEPAT		
V .				
FILTERS				
Туре				
Condition				
Manometer Reading 1/				

 $\underline{1}\!\!/$ Record only if manometer is installed on the unit.

DOM	MESTIC HOT WATER HEATING SYSTEM / EQUIPMENT	\mathcal{X}/\mathcal{X}	BLDG. NO. 161
	Is System Supported from (check one):	Central Plant Several Small Sys	* *************************************
b.	Domestic Hot Water Temperatures provided:		۶Ė
c.	Average Pipe Sizes of All HW Piping and App	roximate Run of Each:	
d.	Is Piping System Insulated and Condition:		
e.	Is Hot Water Circulated?	/	
	1) Condition of circulator	3) /s aqui	astat provided?
	2) Circulator capacity		
). /	Location Areas Served Manufacturer and Model		
d.	Energy (Oil, Gas, Electric, Coal, Etc.)		
1	Type Heaters & Quantities: 1) Storage 2) Instantaneous 3) Semi-Instantaneous		
ъ.	Heater Size and Storage Capacity		
. н	Heating Capacity		
. 1	Type Controls (Air, Steam, Electric)		
. W	When Installed & Condition		
. н	deater Temperature Setting		
. A	Ayerage Water Maintained Temperature		
./ī	Temperature Differential (j) - (k)		
. I	s Hot Water Supply Adequate:		
	nsulation Thickness Insulation Material	Type	

4.2 <u>Lighting</u>

4.2.1 Interior Lighting

LIGHTING	ING											מ	LOCATION	+	Ħ		BLDG. 166
TASK	K FIXTURE	JRE LAMP	LAMPS	NUMBER	TOTAL	HOURS/ DAY	DAYS/ YEAR	LIGHTING FLOOR	FL00R AREA	WATTS	MEASURED ILLUMI - CEIL ING	CETL ING	<u> </u>		差	F WINDOW	M REMARKS
<u> </u>				FIXTURES				(KWH/YR) (FT ²)	SERVED (FT ²)	SQ.FT. (W/FT ²)	(FC)	Œ	_ S G	 		00%	(LIGHTS/SWITCH)
1725	7		7	2					1		12						
aprine.	1. j. j.			15		-					55						
3	7		7	2							50						
				:													
																	-
	TOTAL BUILDING LIGHTING ENERGY	ILDING ENERGY															
							~ 1	LIGHTIN	I N G	1 6 6	E N D :						
•	Fixture Types:	Types:	'	Lamp Types:	Ypes:	!	Wind	Window Code:	1					Tasks Code:	ode:		- 1
LIGHTING	Recessed = R Suspended = S Ventilated = V Pole Mounted = Pl OtherDescribe	sed = R ded = S ted = V ted = PM escribe	•	Incandescent = Fluorescent = Sodium Vapor = Mercury Vapor = Metal Halide = Other-Describe	cent = I cent = F apor = SV apor = MV lide = MH		f there are indicate Curtains Shades No Shading	If there are windows, indicate: Curtains = C Shades = S No Shading = NS	• SMO	2 = 1 Cora = 2 = 1 Cora = 2 = 1 Cora = 2 = 1 Cora = 2 = 1 Cora = 2 = 1 Cora = 2 = 2 = 2 = 2 = 2 = 2 = 2 = 2 = 2 =	# Corridors 6 * Uf # Kitchens 7 * La # Dining 8 * To # Offices-bookkeeping 10 * Su (ledgers only) 11 * Re	eral (keeping (y)	800E	* Offices-draft = Laundry = Toilets = Sleeping quar = Supply rooms = Repair shops	s-dra ng qu room shop	ing ters	12 = Storage room 13 = Retail store (PX, commissary) Other (describe on audit form) E = Exterior

LIGHTING 4.2.1

LOCATI	ON	FILL
BLDG. N	40 <u> </u>	101

4.2 <u>LIGHT</u>	ING (continue	ed)					
4.2.2 <u>Exter</u>	ior Lighting	•					
ACTUAL NO. OF FIXTURES	TYPE OF FIXTURE	NO. OF FIXTURES IN USE	WATTS/ FIXTURE	TOTAL WATTS	CONTROL TYPE*	REMARKS	
7:	MEATE						
					-		
			-				
							-
* M = Manua	ıl T = Time	r P = Phot	cocell	Enter so	chedule und	der Remarks.	

CALCULATIONS

WATTS OF INTERIOR LIGHTING	_
Actual at time of survey	
Total installed	
NA	
WATTS OF EXTERIOR LIGHTING	
Actual on at time of survey	
Total installed	
. /	

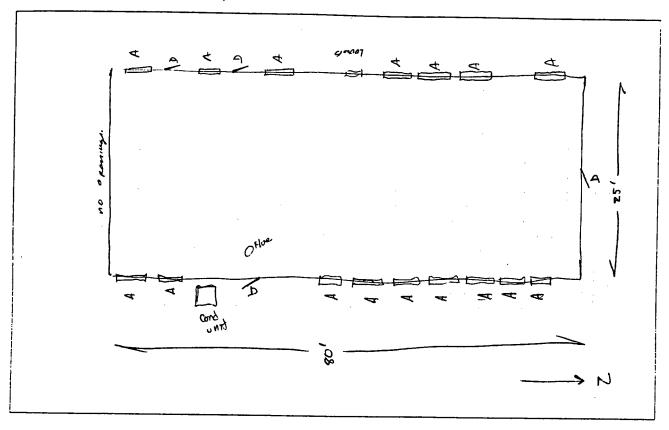
LOCATION _	Fit
BLDG. NO.	161

4. <u>3 PC</u>	OWER USAGE SURVEY				
4.3.1	CRITICAL LOAD (Comput	er, Communicati	ons)		
	Describe: Othern	_			
-	·				
		-			
					· .
					·
4.3.2	RECEPTACLES IN USE	10%	PERCENT		
4.3.3	SMALL APPLIANCES IN U	SE (ENTER COUNT)		
	Water Cooler				
	Vending Machine				
	Space Heater				
	Coffee Pot				
	ΤV		•		
	XEROX	- 1			
	Other:				
	MKIDWINE				
	Straper				
	MISC OFFICE FY			•	

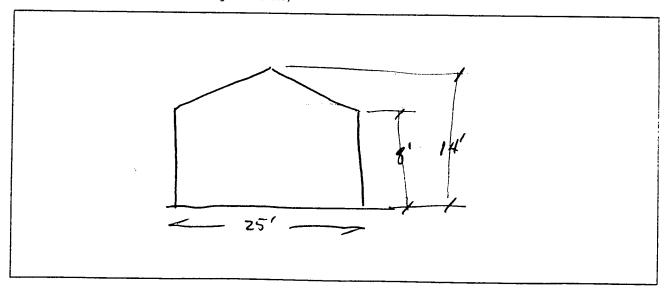
ATION	FHL	SURVEYED BY	<i>B</i> /	H	DATE 9/30/9
DING NUMBER	162	FUNCTION/USE_	TED A	lans -	DATE 9/30/9
RMATION SOURCE	(DWG. NO./PERSON)	Ralph Sirt	aK		
RAL BUILDING D	<u>ATA</u>				
BUILDING AGE:	Renovated YEA	rs old			
DUPLICATE BUIL	DING NOS:				
				W-1	TOTAL:
SIMILAR BUILD	ING NOS:				
					TOTAL:
	PANCY: Conumber and) duration	ONTINUOUS (24 HRS/DA		·	NO. OF OCCUPANTS
M T W T S S S S		CLO	ED		
0	2 4 6 EQUIPMENT:		12 14	16	18 20 22 24
ADDITIONAL CO	OMMENTS, CRITICAL LOA	DS:			
APPITIONAL OF					
		EXHAUSTED 5	09		
CRAWL SPACE:	VENTILATED	EXHAUSTED	- ,		

2.2 BUILDING FLOOR PLAN AND ELEVATION SKETCHES

FLOOR PLAN (Show dimensions and zones)



SOUTH ELEVATION (Show floor to ceiling elevations)



BUILDING FLOOR PLAN AND ELEVATION SKETCHES

LOCATION FAC
BLDG. NO. 162

2.3 ARCHITECTURAL WINDOWS & DOORS

	REMARKS *** ****																4 - CASEMENT 5 - LOUVERED 6 - FIXED GLASS
INFILTRATION	CRACK	222 "	240"													WINDOW TYPES:	4.0.0
	FIT LOOSE AUG	AVG	7													MIND	- DOUBLE HUNG - SINGLE HUNG - SLIDING
	W/S YES NO	>	7	·													1 - 00 2 - 51 3 - 5L
TYPE	OF FRAME**	٤	¥													; ,	EEN
	TRPL		١											U-VALUE		****VISIBILITY:	E - AWNING F - SOLAR SCREEN G - OVERHANG
GLAZING*	DBL		١											'n	. 0	I /****	F - SOLAR S G - OVERHAR
5	TYPE	_	1				-								LEGEND		
\$17F	LxH	66 # 30	p8×96												3 7	NDING:	SOLAR FILM VEN BLIND STORM WINDOW
	₹										<u> </u>		 	TOTAL AREA		***SHADING:	- SOLAF - VEN E - STORN
	3	6	~&		ļ			<u> </u>					 	TOTAL			48U
	MS.		_					 			-		-				REAK
NUMBER	SES						-		-					-		:	- WOOD - METAL - METAL/THERMAL BREAK
	"	6	~									 				**FRAME:	L/THE
	岁																- WOOD - META
	z									<u> </u>		ļ					3 E F
	TYPE	7															ORBIN
/ 9000	WINDOW DESIG.	LINDOW	Daries													*GI AZ I NG:	1 - ORDINARY 2 - 1 ₄ " PLATE 3 - HEAT ABSORBING

CONSTRUCTION					٦ _ (
WALL	COLOR: D	MUL	ROOF (INCL. CLG.)	TYPE: F COLOR: D] P
MATERIAL	THICKNESS (IN.)	R VALUE	MATERIAL	THICKNESS (IN.)	R VALUE
OUTSIDE FILM			OUTSIDE FILM		
Plyurad	1/2"		Comp.		
Plywood Styro lawn Horsbire Barrier	i"		Ash, Shingter Air-Space Gypan Board	65 at PLUK	
HUISLiz Barrier	.		Gyoram Board	1/2"	
Gypsin Board	1/2 "				
INSIDE FILM			INSIDE FILM	- Z.	
	TOTAL		ash FE of d	eck IUSJEPOTAL	
			U-FACTOR	AREA	
U-FACTOR FLOOR SOG	AREA		DOOR	! L	
FLOOR , SOG	THICKNESS (IN.)	R VALUE		THICKNESS (IN.)	R VALUE
FLOOR , SOG		R VALUE	DOOR	THICKNESS (IN.)	R VALUE
FLOOR SOS		R VALUE	DOOR	THICKNESS (IN.)	R VALUE
FLOOR SOS		R VALUE	DOOR MATERIAL OUTSIDE FILM		R VALUE
FLOOR SOS		R VALUE	DOOR MATERIAL OUTSIDE FILM		R VALUE
FLOOR SOS		R VALUE	DOOR MATERIAL OUTSIDE FILM		R VALUE
FLOOR SOS		R VALUE	DOOR MATERIAL OUTSIDE FILM		R VALUE
MATERIAL OUTSIDE FILM SOG LINDTeum		R VALUE	MATERIAL OUTSIDE FILM Uxxx		R VALUE
MATERIAL OUTSIDE FILM SOG LINDTeum	THICKNESS (IN.)	R VALUE	MATERIAL OUTSIDE FILM Uxxx	15/8	R VALUE

LOCA	TION	FAL
BLDG.	NO.	162

3.1 HEATING EQUIPMENT

Heat Source:	— a
	d Steam or Hot Water Other
New units.	
Capacity: 100 000 Btu/Hr or Boiler HP or	
Manufacturer: Lennox Mod	
Boiler/Furnace Control: Manual V Time Clock 6AM - 6PM 7d /w K - Operating Temperature: °F Operating Temperature:	Demand EMCS 02 Trim 7 Jay Frue Cock - no 5 tops on 5/
Operating Temperature:°F Operating Temperature:°F	erating Pressure:PSI
Fuel: Nat. Gas Only Nat. Gas/	Draft: Forced Induced
Totales (Specify) Programme	
Burner: Mfg. Sauce Model No	Metering Equipment: Yes No
	To 6pm Hr/Day 12
150° E Weekdays & Holidays: From	To Hr/Day 12
170° F Operating Season: From	
Flue Gas Temperature:°F Receiver Tank Conditio	ns:PSIG°F
If supplied Steam Pressure PSI Hot Water Supply T or Hot Water:	emp°F Hot Water Return Temp°F
insuration: (1) server position	(2) Other (Specify) $\stackrel{\smile}{\iota}$ $\stackrel{\smile}{A}$,
Poor Area FT2	Poor AreaFT2
None Temp. °F	None Temp°F
	V/PH/FLA//
Mfg Mode1	HPRPM
	itton Interlocked with Boiler? Yes No
FOR LARGE BOILERS (over 6,000 MBTUH): Combustion Control Mfg.	Mode 1
Condensate Pumps/Hot Water Pumps: Mfg	Mode1HP
Boiler/Furnace Condition:	
Describe	
Occupant Discomfort (Evaluate): 16 Significa	ent problems

MPRESSOR(S)/CHILLER		COOLING TOWER
Manufacturer	Lennov	Gravity
Model No.		Mech. Draft
Size		Manufacturer
Refrigerant	R22	Model No.
Motor HP (if availab		Type of Fan
Motor Voltage	208/230 30	Fan RPM
Motor FLA RLA		Fan Motor HP
Measured Amps	<u>21.5</u> 135	Fan Motor Voltage
		Fan Motor FLA
ONDENSER/CONDENSING U	<u> IIT</u>	Measured Amps
Water Cooled		
Air Cooled		CHILLED WATER PUMPS (If more than one, how ma
Evaporative		operative during normal operation:
Manufacturer	<u>Lennox</u>	Manufacturer
Model No.	HS 17-813-34	Model No
Size		Capacity Gals
Type of Fan	propeller	Head, Ft
Fan Motor HP	3/4	Motor HP
Fan Motor Voltage	230V 1 0	Motor Voltage
Fan Motor FLA	3.5	Motor FLA
Measured Amps		Measured Amps
ONDENSER WATER PUMPS	(If more than one, how many o	perate on normal operation:
Manufacturer	,	2081/
Model No.		A 2/A Cond
Capacity, Gals.		A 2/A Cond,
Head, Ft.	7	——————————————————————————————————————
Motor HP		C 2D/F
Motor Voltage	/	
Motor FLA		
Measured Amps		
EMARKS:		

3.2

3.3 AIR HANDLING EQUIPMENT

FANS	See dufa	on WAF/	Chy and,	
Type	******		<i>O</i>	
Unit/Zone	#	7	#	ź
Manufacturer				
Model No.				
Туре				
RPM of Fan		out-		
Motor HP		Y AGV	nn	
Motor Volts	- 1) on 1	a Car	,	
Motor FLA	<u> </u>	7 100	5	
Measured Amps		1		
CFM (from Plans)				
Notes				
Indicate capacities	where found: COOLING DX CIT H20 OTHER HEATING GAS H20 ELEC OTHER	<u>-95/135U-1</u>	HUMIDIFICATION ELEC STEAM H ₂ O OTHER AUX/MISC OTHER	
FILTERS				
Туре	FG			
Condition	Daw			
Manameter Reading 1				

 $\underline{1}/$ Record only if manometer is installed on the unit.

			LOCATION FA	
<u>D(</u>	OMESTIC HOT WATER HEATING SYSTEM / EQUIPMENT	noue	BLDG. NO	<u></u>
a.	. Is System Supported from (check one):		One System per Building	
		Several Small Systems p		
	•		ci burianiy	
ь.	Domestic Hot Water Temperatures provided:		°¢	°F
c.	. Average Pipe Sizes of All HW Piping and Approx	cimate Rup of Fach.		
		The state of Each.		
d.	Is Piping System Insulated and Condition:			
e.	Is Hot Water Circulated?			
	1) Condition of circulator	3) Is aquastat	provided?	
	2) Circulator capacity		perature setting	
טט	MESTIC HOT WATER HEATING EQUIPMENT (If more tha	n one location, list each	one)	
a.	Location			
b.	Areas Served			
c.	Manufacturer and Model	<u> </u>		
d.	Energy (Oil, Gas, Electric, Coal, Etc.)	<u> </u>	· · · · · · · · · · · · · · · · · · ·	
e.	Type Heaters & Quantities:			
	1) Storage			
	2) Instantaneous			
	3) Semi-Instantaneous			
f.	Heater Size and Storage Capacity			
g.	Heating Capacity			
h.	Type Controls (Air, Steam, Electric)			
i.	When Installed & Condition			
j.	Heater Temperature Setting			
k.	Average Water Maintained Temperature			
1.	Temperature Differential (j) - (k)			
m.	Is Hot Water Supply Adequate:			
n. O.	Insulation Thickness Insulation Material	Туре		

3.4

CONTROL SYSTEM: CONTROLLERS: ELECTRIC PNEUMATIC CONTROL/MISCELLANE	EOUS PROCESS/SKETCHES		BLDG. NO. 162	
condition (give detailed list of problems as required): The umostat w/ Beat/Coal/Formorely		_	CONTINUOUS	
Thormortul w/ Bout/Coal/Foronty	MFG	MODEL	LOCATION	
	Thormosta	+ w/ Bout/Coal/Foro	aly	404

3.6 SPECIAL EQUIPMENT

IDENTIFICATION NO.	LOCATION (ROOM)	DESCRIPTION (MANUFACTURER, MODEL NO.)	LONNECTED LOAD KW	REMARKS
	1	Wader Cooler Korof Coffee Haker Coffee Maker Microwave Bar Refer		Lunch Ruy
	2 2 2 2	Xorox		
	2	doffee Maker		
	2	Ciffee Maker		
	3	Micrauane		
		Bar Refer		V
	off CPS	PC		HA LAT IN
	31/2025	PC Printers		141 14
				
<u> </u>				
-				
-				

	4.2 <u>Lighting</u> 4.2.1 Interior Li	ghting					FH 167	L 2-
. BLDG.	REMARKS (LIGHTS/SWITCH)							12 = Storage Foom 13 = Retail store (Px, commissary) Other (describe on audit form) E = Exterior
LOCATION	COLORS FINISH COLORS FINISH CODE						Tasks Code:	Offices-drafting Laundry Toilets Supply rooms Repair shops
	WATTS ILLUMI- CEILING PER NATION HEIGHT SQ.FT. (FC) (FT)	0 %					LEGEND:	= Corridors
	DAYS/ LIGHTING FLOOR YEAR ENERGY SERVED ON (KWH/YR) (FT ²)	i i					L I G H T I N G	If there are windows, indicate: Curtains = C Shades = S No Shading = NS
9	NUI	2 2	2	2	7 4	/ V / L / /	_ ~	Incandescent = I Fluorescent = F Sodium Vapor = SV Mercury Vapor = MV Metal Halide = MH OtherDescribe
F 2/	LAMP LAMPS TYPE FIXURE AND AND WATTS WATTS/	7 kg			1/1/	1 1 2 - 1 n n		∝ν> <u>₹</u> થ
LIGHTING S F	TASK FIXTURE LA CODE TYPE AN	8	48	40	8	7	Fixture Typ	Recessed = R Suspended = S Ventilated = V Pole Mounted = PM OtherDescribe
5]	28		7 7	- '	<u> </u>	े वेद वेद	_ <u> </u>	LIGHTING 4.2.1

LOCAT	ION	FHL	
BLDG.	NO.	162	

4.2	ITGHTING	(continued)
7.4	LIGHTING	(CON CINACA)

4.	2.	2	Exterior	Li	ighting
----	----	---	----------	----	---------

ACTUAL NO. OF FIXTURES	TYPE OF FIXTURE	NO. OF FIXTURES IN USE	WATTS/ FIXTURE	TOTAL WATTS	CONTROL TYPE*	REMARKS
	Surfue LPS	_3	75	·		
-1						
						
* M = Manual	T = Timer	P = Phot	ocell	Enter sc	hedule und	er Remarks.

CALCULATIONS

WATTS OF INTERIOR LIGHTING

Actual	at	time	of,	survey.	
				•	
Total	inst	talle	1	•	

WATTS OF EXTERIOR LIGHTING

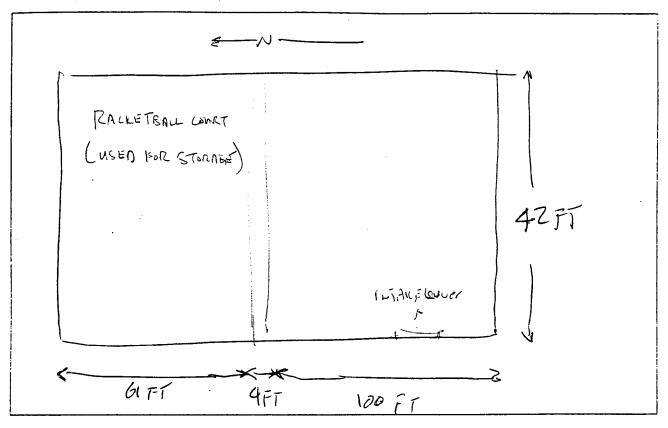
Actual	on	at	time	of	survey	 	
Total	insi	tal'	leđ				

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RAL BUI	LDI	NG D	ATA																						
BUILDIN	NG A	GE:					_YE	ARS																	
DUPLICA	ATE	BUIL	DIN	s NOS	:																				
																		-				TOT	AL:		
SIMILA	R Bl	JILD:	ING	NOS:																					
						_																TOT	AL:		
BUILDI	NG (occu	PANC	Υ:			c	ONTI	NUOU	S (2	24 HR	S/D/	AY) [N	o. 0	F OC	CUPA	NTS_	_0	
				ber a													•								
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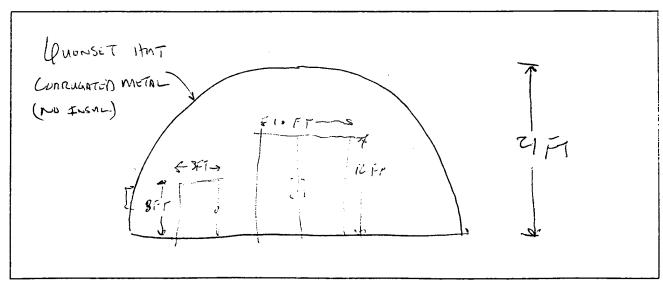
ARCHITECTURE--MISCELLANEOUS
21

2.2 BUILDING FLOOR PLAN AND ELEVATION SKETCHES

FLOOR PLAN (Show dimensions and zones)



SOUTH ELEVATION (Show floor to ceiling elevations)



BUILDING FLOOR PLAN AND ELEVATION SKETCHES

		LOCATION	FAL
2.3	ARCHITECTURAL WINDOWS & DOORS	BLDG. NO.	168

	REMARKS												ES: 4 - CASEMENT 5 - LOUVERED 6 - FIXED GLASS
INFILTRATION	CRACK	LENGIH											MINDOM TYPES: JNG 4
INFI	FIT	LOOSE AUG											WINDC - DOUBLE HUNG - SINGLE HUNG - SLIDING
		YES											3 - 5
TYPE	OF FRAMF**												FY FY
	TRPL										U-VALUE		****VISIBILITY: E - AWNING F - SOLAR SCREN G - OVERHANG OTHER - SPECIFY
GLAZING*	180										⇒	:- 	E - AWN F - SOL B - OVE
	TYPE						<u> </u>					LEGEND:	,,
4175	7777	(0, 25	2 4 0									 	***SHADING: A - SOLAR FILM B - VEN BLIND C - STORM WINDOW D - DRAPES
	₹					ļ		<u> </u>			 TOTAL AREA		SOLAI VEN I STORI
	3		6								 TOTAL		480C
	₹S									-	1		BREAK
NUMBER	SE S	+-								-			MAL B
	ш		0										**FRAME: L L/THERMA
	R	 											**FRAME: - WOOD - METAL - METAL/THERMAL
	z												1321-
	TYPE		7										ORBINC
) a000	WINDOW MINDOW	DE318.	20 Cuant										*GLAZING: 1 - ORDINARY 2 - 1," PLATE 3 - HEAT ABSORBING 4 - TINTED

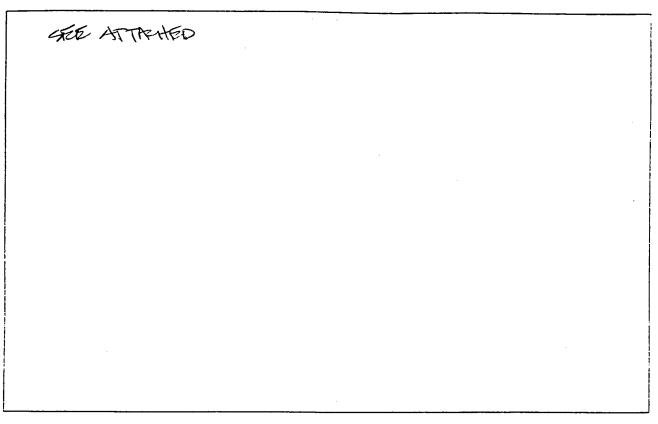
ARCHITECTURAL WINDOWS & DOORS

						į					ت	LOCATION				-)	BLDG. 168
FIXTURE	LAMP TYPE AND	LAMPS PER FIXTURE AND	NUMBER OF FIXTURES	TOTAL	HOURS/ DAY ON	DAYS/ YEAR ON	LIGHTING ENERGY	FLOOR AREA SERVED	WATTS PER SQ.FT.	MEASURED ILLUMI- NATION	MEASURED ILLUMI - CETLING NATION HEIGHT	<u> </u>	COLORS I P W	O O	FINISH I L A M I L L L L L L L L L L L L L L L L L L	4.100	WINDOW	REMARKS
	WALIS		·				(KWH/YR) (FT ²)	- 1	(W/FT ²)	(FC)	(FT)	2.0		25		~		(LIGHTS/SWITCH)
	4		17															
	星	4	4											 				
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1																		
니목표	TOTAL BUILDING LIGHTING ENERGY																	
1						الت	1 G H T	N G	1 6 6	E N D :								
- >	Fixture Types:	j	Lamp Types	pes:	!	Windo	Window Code:	1					Ta	sks	Tasks Code			
Recessed Suspended Ventilated Pole Mounted OtherDescr	Recessed = R Suspended = S Ventilated = V Ole Mounted = PM OtherDescribe	- varo	Incandescent = Fluorescent = Sodium Vapor = Mercury Vapor = Metal Halide = OtherDescribe	ent = I ent = F por = SV por = MV ide = MH scribe		f there are indicate Curtains Shades No Shading	If there are windows, indicate: Curtains = C Shades = S No Shading = NS	* SAC	2 = 2 CO	chens ing ices-gen ices-bool	Corridors 6 = 0 Kitchens 7 = 1. Dining 8 = T. Offices-general 9 = S Offices-bookkeping 10 = S (ledgers only) 11 = R	805E	Sur Sur	Offices Laundry Toilets Sleepin Supply Repair	Offices-drafl Laundry Toilets Sleeping quan Supply rooms Repair shops	Offices-drafting Laundry Toilets Sleeping quarters Supply rooms Repair shops	10	12 = Storage room 13 = Retail store (PX, commissary) Other (describe on audit form) E = Exterior

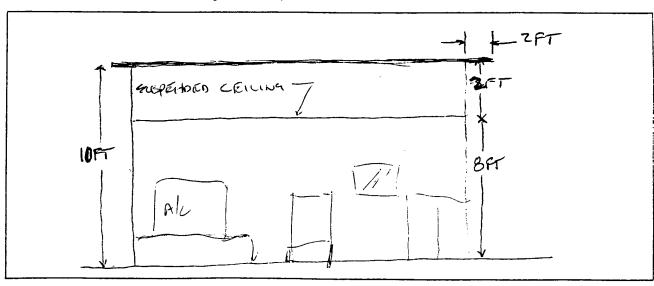
BUILDING AGE:YEARS DUPLICATE BUILDING NOS:		VISUAL	PERSON)	G. NO./PE	JRCE (DWG	RMATION SOUR
DUPLICATE BUILDING NOS: TOTAL: BUILDING OCCUPANCY: CONTINUOUS (24 HRS/DAY) Indicate (number and) duration of occupants each day M T T F S S S O 2 4 6 8 10 12 14 16 18 20 22 24		VISUAL	PERSON)	G. NO./PE	JRCE (DWG	RMATION SOUR
BUILDING AGE:YEARS DUPLICATE BUILDING NOS:	TOTAL:		YEARS		NG DATA	RAL BUILDING
DUPLICATE BUILDING NOS: TOTAL: SIMILAR BUILDING NOS: TOTAL: BUILDING OCCUPANCY: CONTINUOUS (24 HRS/DAY) NO. OF OCCUPANTS Indicate (number and) duration of occupants each day M T F S S S O D D D D D D D D D D D D D D D D			YEARS		NG DATA	RAL BUILDING
DUPLICATE BUILDING NOS: TOTAL: SIMILAR BUILDING NOS: TOTAL: BUILDING OCCUPANCY: CONTINUOUS (24 HRS/DAY) NO. OF OCCUPANTS Indicate (number and) duration of occupants each day M T T F S S S O 2 4 6 8 10 12 14 16 18 20 22 24			YEARS			
TOTAL: SIMILAR BUILDING NOS: TOTAL: BUILDING OCCUPANCY: CONTINUOUS (24 HRS/DAY) NO. OF OCCUPANTS Indicate (number and) duration of occupants each day M T T S S S S S S S S S S S S S S S S					GE:	BUILDING AGE
TOTAL: SIMILAR BUILDING NOS: TOTAL: BUILDING OCCUPANCY: CONTINUOUS (24 HRS/DAY) NO. OF OCCUPANTS Indicate (number and) duration of occupants each day M T T S S S S S S S S S S S S S S S S				NOS:	BUILDING	DUPLICATE BL
BUILDING OCCUPANCY: CONTINUOUS (24 HRS/DAY) NO. OF OCCUPANTS Indicate (number and) duration of occupants each day M T F S S S O 2 4 6 8 10 12 14 16 18 20 22 24	CONTINUOUS (24 HRS/DAY) NO. OF OCCUPANTS					
BUILDING OCCUPANCY: CONTINUOUS (24 HRS/DAY) NO. OF OCCUPANTS Indicate (number and) duration of occupants each day M T F S S S O 2 4 6 8 10 12 14 16 18 20 22 24				05:	TIDING NO	STMTLAR RIITI
Indicate (number and) duration of occupants each day M T F S S O D D D D D D D D D D D D D D D D D	JOUS (24 HRS/DAY) NO. OF OCCUPANTS					
Indicate (number and) duration of occupants each day M T W T F S S O 2 4 6 8 10 12 14 16 18 20 22 24	TOTAL: TOTAL: CONTINUOUS (24 HRS/DAY) NO. OF OCCUPANTS	CONTIN				
M T W T F S S S O 2 4 6 8 10 12 14 16 18 20 22 24	TOTAL: TOTAL: NO. OF OCCUPANTS					
T W T F S S S S S S S S S S S S S S S S S S	TOTAL: TOTAL: NO. OF OCCUPANTS	duracion or o	er anu) (te (numbe	Indicate	
W T F S S S S S S S S S S S S S S S S S S	TOTAL: TOTAL: CONTINUOUS (24 HRS/DAY) NO. OF OCCUPANTS			М		
T F S S S S S S S S S S S S S S S S S S	,					Т
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S S 0 2 4 6 8 10 12 14 16 18 20 22 24	` 					7
S 0 2 4 6 8 10 12 14 16 18 20 22 24						
0 2 4 6 8 10 12 14 16 18 20 22 24						<u> </u>
MISCELLANEOUS EQUIPMENT: 6 COMPARCAS	18 20 22 24	10 12 14 1	6 6	4	2	<u> </u>
MISCELLANEOUS EQUIPMENT: O COPY 4 15-102	1	ras	(0.6540.1	DMCNT	OUG 50117	WT0051 ANEOI
2 Microfila			•		.002 EQUI	MISCELLANEU
Misc office supposes						

2.2 BUILDING FLOOR PLAN AND ELEVATION SKETCHES

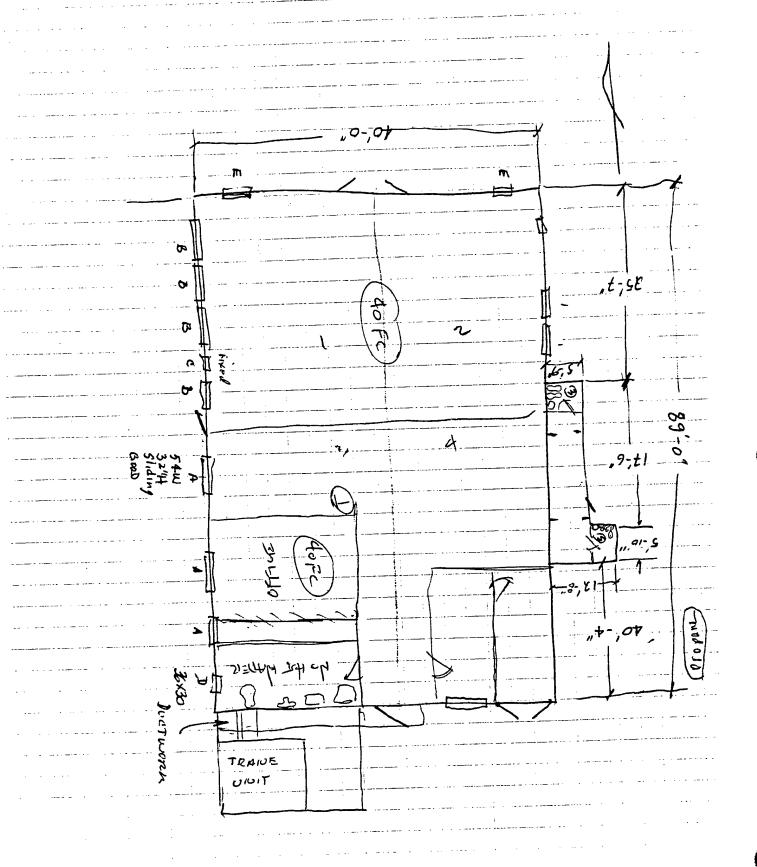
FLOOR PLAN (Show dimensions and zones)



SOUTH ELEVATION (Show floor to ceiling elevations)



BUILDING FLOOR PLAN AND ELEVATION SKETCHES



2.3 ARCHITECTURAL WINDOWS & DOORS

	REMARKS										Svarte	Double						CASEMENT LOUVERED F1XED GLASS
INFILTRATION	CRACK LENGTH	25×5 25×5	72×2	2 2 x 2 2 2 x 2	4×36							DE					WINDOW TYPES:	4 - CASE 5 - LOUV 6 - FIXE
	FIT LOOSE AUG	Bug	Ang 5	Aua	Ma				->-	\rightarrow							MINDO	DOUBLE HUNG SINGLE HUNG SLIDING
	W/S YES I NO	×	У	ر	y	4	¥	ン	x	بر				-				3 - 5
TYPE	ž	M	٤	ź	≰	Ł	{	٤	4	٤							 -	EEN FY
*	- TRPL														U-VALUE		****VISIBILITY:	E - AWNING F - SOLAR SCREEN G - OVERHANG OTHER - SPECIFY
GLAZING*	TYPE DBL	_	_		<u>ر</u>	_	<u></u>									E N D :	****	6 - 6 6 - 6 0THEF
SIZE		22×5d	nxad	54x32	24.25	32454	فرطر ودرا	59×32	70 x 3%	54x37	28×3c	12489				LEG	DING:	SOLAR FILM VEN BLIND STORM WINDOW DRAPES
	M.						7	~							TOTAL AREA		***SHADING:	A - SOLAR B - VEN B C - STORM D - DRAPE
	MS					D.									<u>[</u>		,	
NUMBER EXPOSURE	SE S)					ME:	RMAL BREAK
	w	2	¥	. —							_]		**FRAME:	WOOD METAL METAL/THERMAL
	N N				2							~			1			32⊢
	TYPE	~	0	N	J	'n	७	4	40	n							;;	Y E SORBING
D008/	WINDOW DESIG.	HARRY	L. Contract	Hoory	1,1400	* c.0-1 1)	raodalra	2002777	360213	W. LPUS	Deoft .	20 BC	-				*GLAZING:	1 - ORDINARY 2 - 1" PLATE 3 - HEAT ABSORBING 4 - TINTED

COLOR: D THICKNESS (IN.)	R VALUE 0:25 2:18		MATERIAL OUTSIDE FILM	TYPE: F (COLOR: D (THICKNESS (IN.)	R VALUE
THICKNESS (IN.)	R VALUE		MATERIAL OUTSIDE FILM	COLOR: D	R VALUE
	0:25		OUTSIDE FILM	THICKNESS (IN.)	
8					0.25
<u></u>	2.18		Builtup		
			Built up		6.33
			ARSPRE	36	0-61
			1250KE	P-19	19.00
		7	DOOD Dace		0.77
	0.68		SUSPENCED C. INSIDE FILM		
TOTAL		ļ		TOTAL	20.96
∠ AREA		ţ	J-FACTOR (5. 6	AREA	
		1	000R		
THICKNESS (IN.)	R VALUE		MATERIAL	THICKNESS (IN.)	R VALUE
			OUTSIDE FILM		
			blood	2	
		İ			
			·		
			INSIDE FILM	· · · · · · · · · · · · · · · · · · ·	
TOTAL				TOTAL	
	2 AREA	2 AREA	0.68 TOTAL 3.11 AREA	TOTAL 3.11 U-FACTOR 6.6 DOOR THICKNESS (IN.) R VALUE MATERIAL OUTSIDE FILM	TOTAL 3.11 AREA DOOR THICKNESS (IN.) R VALUE MATERIAL TOTAL TOTAL TOTAL OUTSIDE FILM TOTAL TOTAL OUTSIDE FILM

•••

LOCATION	FHL
BLDG. NO.	177

3.2 COOLING EQUIPMENT

PACICAGED RO	OKTOP COOLING	LPG HEATING UNIT	/ MOW-730	Cuo
	,	COOLING TOWER	(Growns)
Manufacturer TRANE		Gravity		
Model No. YCHIZOASHOAF	<u> </u>	Mech. Draft		
Size		Manufacturer		
Refrigerant R-72	· · · · · · · · · · · · · · · · · · ·	Model No.		
Motor HP (if available)		Type of Fan		
Motor Voltage 208 _		Fan RPM		
Motor FLA Ze19A_		Fan Motor HP		
Measured Amps <u>73A - P</u>	IKG. UNIT TOTAL	Fan Motor Voltage		
COLUMN TO A COLUMN	246.0	Fan Motor FLA		
CONDENSER/CONDENSING UNIT COND.	EVAP	Measured Amps		
Water Cooled		CUTTOR WATER DUNING /IE	than one h	ou many
Air Cooled			more than one, h	
Evaporative		operative during normal	operation:	/
Manufacturer		Manufacturer		
Model No.		Model No.		
Size		Capacity Gals.		
Type of Fan		Head, Ft.		
Fan Motor HP	2011	Motor HP		
Fan Motor Voltage 2080/14	7081/14	Motor Voltage		
Fan Motor FLA	7.5	Motor FLA		
Measured Amps		Measured Amps		
CONDENSER WATER PUMPS (If more than one,	, how many operate	on normal operation:)	
Manufacturer				
Model No		· · · · · · · · · · · · · · · · · · ·		
Capacity, Gals.				
Head, Ft				
Motor HP		·		
Motor Voltage				
Motor FLA				
Measured Amps				
REMARKS:				

DOMESTIC HO	T WATER HEATING SYSTEM / EQUIPME	NT Hort	E	LOCATION BLDG. NO	177 177
a. Is Syst	em Supported from (check one):	Central P	lant	One System per Buildi	ng
		Several S	mall Systems per Bui	lding	
b. Domesti	c Hot Water Temperatures provided	:	2 F		
c. Average	Pipe Sizes of All HW Piping and A	Approximate Run of	Each:		
d. Is Pipi	ng System Insulated and Condition:	:			
			_		77
	Nater Circulated?				
	dition of circulator				
2) (1rd	culator capacity	4)	Aquastat temperatur	re setting	
DOMESTIC HOT	WATER HEATING EQUIPMENT (If mor	re than one locatio	on, list each one)		
a. Location	1	1			
b. Areas Se					
c. Manufact	curer and Model				
d. Energy (Oil, Gas, Electric, Coal, Etc.)				
e. Type Hea	ters & Quantities:				
1) Stor	age		· .		
2) Inst	antaneous		· .		
3) Semi	-Instantaneous	_			
f. Heater S	ize and Storage Capacity				
g. Heating	Capacity				
h. Type Con	trols (Air, Steam, Electric)				
i. When Ins	talled & Condition				
j. Heater T	emperature Setting				
k. Average	Water Maintained Temperature			\	
1. Temperat	ure Differential (j) - (k)				
m. Is Hot W	ater Supply Adequate:				
	on Thickness		Туре		
o. Insula	tion Material	- '		. \	

3.5	CONTROL/MISCELLANEOUS PROCESS/SKETCHE	<u>.s</u>			BLDG. NO. 177
	CONTROL SYSTEM: CONTROLLERS: ELECTRIC ELECTRONIC	PNEUMATIC	OPERATION:	MANUAL CONTINUOUS DEMAND	TIME CLOCK EMCS
	MFG YORK	MODEL		LOCATION_	THE SIETH
	CONDITION (GIVE DETAILED LIST OF PROB	LEMS AS REQUIRED):	-		

FIXTURE LAMP LAMP LIGHTING LIGHTING LIGHT												רנ	LOCATION			FHL	BLDG. 177	
15 MITS (SMITN) (SMITN) (FIR) (MITS) (MITS) (FIR	¥	LAMP	LAMPS PER FIXTURE	NUMBER OF FIXTURES	TOTAL	HOURS/ DAY ON	l	LIGHTING		WATTS PER SQ.FT.	MEASURED ILLUMI - (C NATION	CE IL ING HE I GHT		# J 0 0	M H		REMARKS	4.2.1 Interi
2 5 4 3670 40 History 3ct of the first of th		WATTS	MATTS/ FIXTURE					(KWH/YR)	(FT ²)	i	> 14-72.	(FT)	Z 5		-	~	(LIGHTS/SWITCH)	or L1
2 c b 1 2	i	7	4/2	54	5670						40						CAT 15 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
2 cb 2	1	P	X	0	630												V	
C b1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2		7	4/	0	C24												\^	- 1
100 Col		1	1	<u> </u>	140													
100 ecol	1	1	/	<u> </u>	(J)													1
		ļ.			1000													1
																		ī
		-															-	— т
		ILDING ENERGY																

. . . .

LEGENO: LIGHTING

1 = Corridors 6 = Offices-drafting 12 = Storage room 2 = Kitchens 7 = Laundry 13 = Retail store 3 = Dining 8 = Toilets (Px, commissary) 4 = Offices-general 9 = Sleeping quarters Other (describe on 5 = Offices-bookkeeping 10 = Supply rooms audit form) (ledgers only) 11 = Repair shops E = Exterior Tasks Code: If there are windows, Curtains * C Shades = S No Shading = NS Window Code: indicate: Incandescent = I Fluorescent = F Sodium Vapor = SV Mercury Vapor = MV Metal Halide = MH Other--Describe Lamp Types: Recessed = R Suspended = S Ventilated = V Pole Mounted = PM Other--Describe

> LIGHTING 4.2.1

Fixture Types:

					LOCA BLDG.	TION FAL NO. 177	
1.2 <u>LIGHTI</u>	NG (continue	d)					
1.2.2 <u>Exteri</u>	or Lighting						
ACTUAL NO. OF FIXTURES	TYPE OF FIXTURE	NO. OF FIXTURES IN USE	WATTS/ FIXTURE	TOTAL WATTS	CONTROL TYPE*	REMARKS	
4	Heave			·			
					_		
*:			· · · · · · · · · · · · · · · · · · ·				
* M = Manual	T = Timer	P = Phot	ocell	Enter so	chedule und	der Remarks.	
CALCULATIONS			·				

WATTS	OF	INTER	TOR	LIGHTI	NG
mail	U		101		

Actual at time of survey____ Total installed_

WATTS OF EXTERIOR LIGHTING

Actual on at time of survey_____ Total installed_____

4 2 DC	NIED HEACE CHDVEV	
4. <u>3 PU</u>	WER USAGE SURVEY	
4.3.1	CRITICAL LOAD (Computer, Communications)	
	Describe: 6 conputars	
	·	
4.3.2	RECEPTACLES IN USEPERCENT	
4.3.3	SMALL APPLIANCES IN USE (ENTER COUNT)	
	Water Cooler	
	Vending Machine	

Space Heater

Coffee Pot

TV

XEROX

Other:

SHEEDDER

2 micropius

MISC OFFICE SUP

LOCATION FHL BLDG. NO. 177

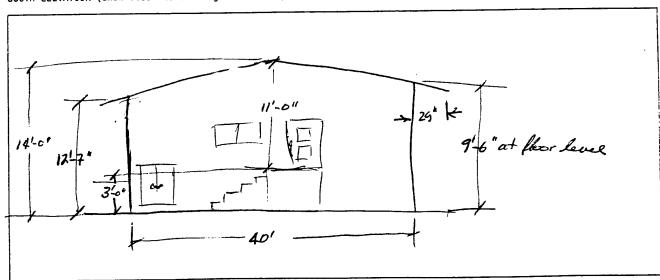
ATION		IEOUS SURVEYED BY_	BIH				DATE_	9/30/92
ING NUMBER	178	FUNCTION/USE	CHILD	DEUE	LOPHER	υτ و	ENTE	2
MATION SOURCE	(DWG. NO./PERSON)_	aba pinech	>r				,	
			·					
AL BUILDING D								
UILDING AGE:	1939 Y	EARS Roundel						
OUPLICATE BUIL	DING NOS:							
							TOTAL:	
SIMILAR BUILDI	NG NOS:							
BUILDING OCCUP	PANCY:	CONTINUOUS (24 HRS/	DAY)			NO. OF O	CCUPANTS	压
Indicate	number and) duratio		day		1730	C+1C	Dren	31
м	1		1 1					
т							1-1-	1 1
W					- > 			+
Т								+
F	<u> </u>	 				++		+-1
S	1 1 2	L054 D				++		+
S	2 4 6	8 10	12	14	6 18	20	22	24
MYCOS: LANGOUC	EQUIPMENT:							
MISCELLANEOUS	EQUIPMENT:							
ADDITIONAL CO	MMENTS, CRITICAL LO	ADS: <u>Vo</u> 5	ALK	- pr	ogran	1		
		00 //		1 -		1 1	0	0
Cooling	Heating di	ilial + to	GC3/1	trol	<u>- ио</u>	+ 10	axon	Red
propos	ry - k	, taken is	<u> </u>	MOHI	appr.			
CRAWL SPACE:	VENTILATED	EXHAUSTED	509					

2.2 BUILDING FLOOR PLAN AND ELEVATION SKETCHES

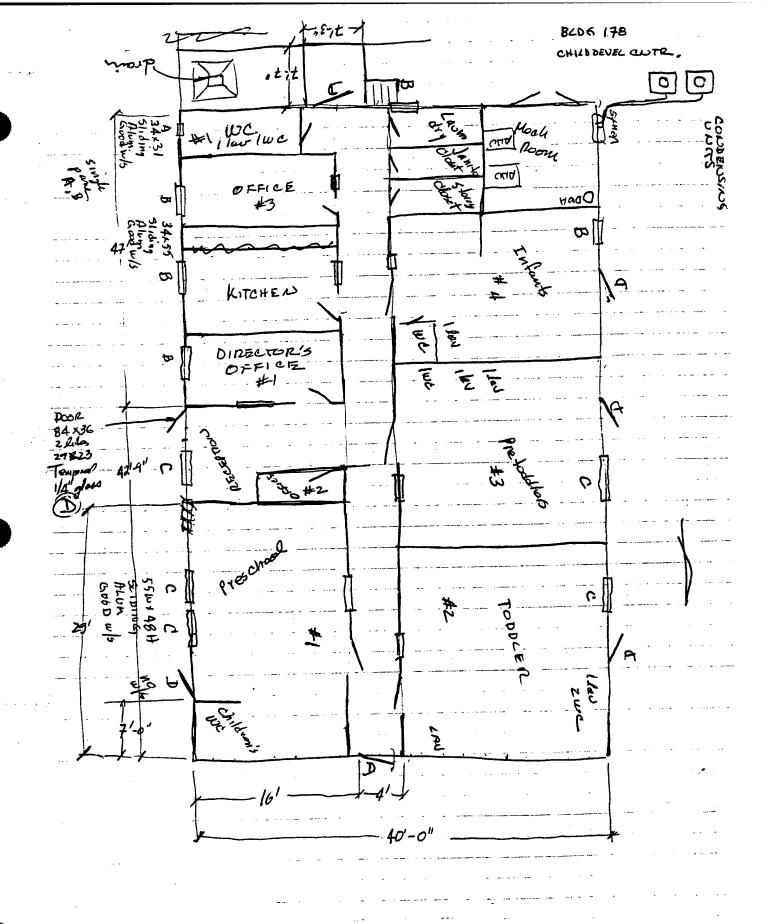
FLOOR PLAN (Show dimensions and zones)

See a Hacked sketch

SOUTH ELEVATION (Show floor to ceiling elevations)



BUILDING FLOOR PLAN AND ELEVATION SKETCHES



_	_							 	1		 	 				
		REMARKS *** ****	Fairly Naw, in Good Cond.			->										- CASEMENT - LOUVERED - FIXED GLASS
INFILTRATION		CRACK LENGTH	164 "	3.8%	"452	240"									WINDOW TYPES:	4 rù rò
INF	- 1	FII LOOSE AUG	406	Ave	406	₩6									MIND	- DOUBLE HUNG - SINGLE HUNG - SLIDING
	ļ	ړ و				7										SE 2
		W/S YES	7	7	2											-25
-				-								<u> </u> 		į		
	TYPE	OF FRAME**	W	I	٤	Σ									 -	EEN FY
		TRPL											U-VALUE		****VISIBILITY:	E - AWNING F - SOLAR SCREEN G - OVERHANG OTHER - SPECIFY
GI AZ ING*		180											n		·ΙΛ***	- SOI - OVI
5		TYPE	1	_		~								LEGEND	*	, шт. 60
	SIZE	INC. POS L x H	31×34	55 x34	55 + 48	2×23×	door							L E	ING:	SOLAR FILM VEN BLIND STORM WINDOW DRAPES
П	T	¥				V pr							REA	4	***SHADING:	OLAR EN BL TORM RAPES
	ŀ	3	0	-	B	7							TOTAL AREA		*	A - S
		SW				,							۲			
~	뵕	S	0		0	_										REAK
NUMBER	XPUS.	SE										-			 <u></u>	IMAL E
	-	ш	1	3	. 1)	16									**FRAME:	W - WOOD M - METAL T - METAL/THERMAL BREAK
	ŀ	NE			,										•	WOOD METAL METAL
	ł	z z	0	0	0		<u> </u>			<u> </u>		 				32-
H	<u>ا</u> ن	IYPE	0			SLASS										ING
		WINDOW IN	usinder 3	11 33	= W	150 J 02Q									*GLAZING:	
'	- :	. B	A	20	ل ا	7.0										1284

BUILDING ENVELOPE	BLDG. NO
CONSTRUCTION	TYPE: F P
WALL COLOR: D M L	
MATERIAL THICKNESS (IN.) R VALUE	MATERIAL THICKNESS (IN.) R VALUE
OUTSIDE FILM	OUTSIDE FILM
ONOCRETE BLOCK 8"	BUR
	FG 1 US 19
	Sus, clar 2545 3/4"
	Sus . Cae 2 545 3/4" Air ~ 124"
INSIDE FILM	INSIDE FILM
TOTAL	TOTAL
U-FACTOR AREA	U-FACTOR AREA
FLOOR SOS	DOOR WOOD
MATERIAL THICKNESS (IN.) R VALUE	MATERIAL THICKNESS (IN.) R VALUE
OUTSIDE FILM	OUTSIDE FILM
SOS	15/8"
Linolain Some Carpet	Glass 1/4"
Some	
INSIDE FILM	INSIDE FILM TOTAL
TOTAL	
U-FACTOR AREA	U-FACTOR AREA
BUILDING SKIRTING MATERIAL	

2.4

LOCATION FHL

New units

3.1 HEATING EQUIPMENT

Heat Source:		
Furnace Steam Hot Water Heat Sup Boiler Boiler Pump (Ex	plied Steam or Hot Water ternal Boiler Plant)	other
Capacity: 100 000 Btu/Hr orBoiler HP or	Lbs/Hr Steam	orGPM Hot Water
Manufacturer: Lannox ConsonatorIII	Model No.: <u>G160</u>	5-100-7
Boiler/Furnace Control: Manual Time Clock	Demand	EMCS 0 ₂ Trim
Operating Temperature: /50°F °F	Operating Pressure:	PSI
Fuel: Nat. Gas Only Nat. Gas/Other (Specify) Propart		Forced Induced
Burner: Mfg. In lagral Model No.	Meter Meter	ring Equipment: Yes No Le M Arch, Holas.
Operating Schedule: Weekdays: From	To	Hr/Day
•		Hr/Day
120 6 P Operating Season: From	Mon/Day, to	Mon/Day
Has lle	Le donner M	layrel to unit.
Flue Gas Temperature:°F Receiver Tank Con	ditions:	
If supplied Steam Pressure PSI Hot Water Support Hot Water:		
Insulation: (1) Boiler	• •	All duats
Poor Area	_FT ² Poor Area	a 145 ulated FT2
None Temp	°F None Tem	p°F
Pump: No. of Pumps	V/PH/FLA	
Mfg. Model		HPRPM
	ish Button Interlocke	
FOR LARGE BOILERS (over 6,000 MBTUH): Combustion Control Mf	fg	Mode1
Condensate Pumps/Hot Water Pumps: Mfg	Model	HP
Boiler/Furnace Condition:		
Describe		
Occupant Discomfort (Evaluate): Some yours of occupants horse huel For on occupants no so	not bolance	ad properly -
occupants horse had F	E shut off	-acyust
on occution - no se	news co	ruplants as
this time.		HEATING EQUIPMEN

	2, I for Alwart	
COMPRESSOR(S)/CHILLER	COOLING TOWER	
Manufacturer Louwox	in Cond und Gravity	
Model No.		
Size	Manufacturer	
Refrigerant 22	Model No.	
Motor HP (if available) VA	Type of Fan	
Motor Voltage 208/130 19	Fan RPM	
Motor FLA LRA 135 RLA 226	Fan Motor HP	
Measured Amps	Fan Motor Voltac	
CONDENSER/CONDENSING UNIT	Fan Motor FLA	
Water Cooled	Heasured Amps	
Air Cooled		
Evaporative	•	S (If more than one, how
Manufacturer Lennox	J	normal operation:
Model No. #516 - 65	Manufacturer 10-87 Model No	
Size	Capacity Gals.	
Type of Fan	Head,/Ft.	
Fan Motor HR 1/4	Motor HP	
Fan Motor Voltage 208/230	Motor Voltage	
Fan Motor FLA Z.Z A	Motor FLA	
Measured Amps	Measured Amps	
CONDENSER WATER PUMPS (If more than one, I	hou many account	
Manufacturer	how many operate on normal operation:	
Model No.		
Capacity, Gals.	Lenno	x C14-65-1FF RZZ
Head, Ft.		•
Motor HP	- one	on top when AHU/Fur
Motor Voltage	of le	sen HHU/FUE
Motor FLA		
Measured Amps		
REMARKS: LOAD AT COND. L	241#	
10011 100	Amos	

3.3 AIR HANDLING EQUIPMENT

FANS	Pachupl	- /		
Туре	W/AHU	Exhaust		
Unit/Zone	#	- # Kitekon	* varied has Al	<u> </u>
Manufacturer		- Sunair - B	* 1 ruighom AL 48	
Model No.				
Туре		Kolchen		
RPM of Fan				
Motor HP				_
Motor Volts				
Motor FLA		0,833		
Measured Amps				
CFM (from Plans)		240 from n	omeflote.	
Notes				
Indicate capacitie	cooling DX <u>Leun</u>		HUMIDIFICATION ELEC STEAM H ₂ O OTHER AUX/MISC OTHER	/
FILTERS	F.4			
Туре	<u>+6</u>			
Condition	Dav			
Manometer Reading	1/			

 $\underline{1}/$ Record only if manometer is installed on the unit.

LOCATION FHC BLDG. NO. 178
ne System per Building
°F
, NO Jackot.
260-20th 165 #100 C58 6189 2250F
esetting "warm"

a. Is System Supported from (check one): | Central Plant Several Small Systems per Build b. Domestic Hot Water Temperatures provided: c. Average Pipe Sizes of All HW Piping and Approximate Run of Each: usulated with 1" FG wantstoon d. Is Piping System Insulated and Condition: yes, xeec e. Is Hot Water Circulated? Circ Pump 1) Condition of circulator how 3) Is aquastat provided 2) Circulator capacity <u>See cutalog</u>, formn 4) Aquastat temperature DOMESTIC HOT WATER HEATING EQUIPMENT (If more than one location, list each one) a. Location Bldg American Applance 4 ly Grp. GVF85547 LP. Areas Served Manufacturer and Model d. Energy (Oil, Gas, Electric, Coal, Etc.) Propose Santa Honeia, Ca. e. Type Heaters & Quantities: 1) Storage 2) Instantaneous 3) Semi-Instantaneous f. Heater Size and Storage Capacity Heating Capacity Type Controls (Air, Steam, Electric) When Installed & Condition Heater Temperature Setting Average Water Maintained Temperature Temperature Differential (j) - (k) yes Is Hot Water Supply Adequate: mbogral to move ht. Insulation Thickness o. Insulation Material

DOMESTIC HOT WATER HEATING SYSTEM / EQUIPMENT

3.4

CONTROL/MISCELLANE	OUS PROCESS/SKETCH	<u>:S</u>			BLOG. NO. 178
CONTROL SYSTEM: CONTROLLERS:	ELECTRIC ELECTRONIC	PNEUMATIC	OPERATION:	MANUAL CONTINUOUS DEMAND	TIME CLOCK
MFG		MODEL 7-day	Z4Hr e Clave	LOCATION	
		BLEMS AS REQUIRED): 7 Lange / Was			
Reci	off at	1900 Attoona	x 0600		
		oli at	0530/13	0	

3.5

•	4.2.1 Interi	ior Li	ghting													178
BLDG. [778]	REMARKS	(LIGHTS/SWITCH)		Bech Side,	105°F DHU			IN HOOD								12 = Storage room 13 = Retail store (Px. commissary) Other (describe on audit form) E = Exterior
	WINDOW		N5	NS	75	25	50	2 5	\mathcal{Z}							i
1747	FINISH C E W I I A C I C I I O	-	FFX)									=			Tasks Code: Offices-drafting Laundry Toilets Sleeping quarters Supply rooms Repair shops
NOIL	COLORS C	œ	7 7												•	
LOCATION		@ <u>N</u>	7 " 1)												6 8 8 9 9 9 10
	D CEILING HEIGHT	E	1-1												••1	eneral ookkeep only)
	MEASURED ILLUMI- NATION	55													E N	Corridors Kitchens Dining Offices-general Offices-bookkeeping
	WATTS PER SQ. FT.	(W/FT ²)							~						1 6 6	2 E 4 2 E 4
	FLOOR AREA SERVED														I N G	iows,
	L1GHTING ENERGY	(KWH/YR) (FT ²)													LIGHT	Window Code: there are windows, indicate: Curtains = C Shades = S No Shading = NS
	DAYS/ YEAR ON															If there in Curi
	HOURS/ DAY ON															
77	TOTAL WATTS															ypes: cent = I cent = F lapor = SV apor = MV
R F3442	NUMBER OF FIXTURES		3	9	K	R	€C	_	7		ţ	9	0		e	Incardescent = Fluorescent = Fluorescent = Sodium Vapor = Mercury Vapor = Metal Halide = OtherDescribe
		MATTS/ FIXTURE	is	a	_/	B	a	-/t	1	2	1	1	1			1 2
2 C E	`. 	3	34		江	34	47	77	7 72	134	F34	F 34	F24	1NG ERGY		Pes:
Storage Moon Journal	FIXTURE LAMP TYPE TYPE		8	8	<u> </u>	4	8	8	7	7	£ 3.	2	72	TOTAL BUILDING LIGHTING ENERGY	2	Recessed = R Suspended = S Ventilated = V Pole Mounted = Pl
LIGHTING	TASK		EAR	Cornich	€0¢#[435	Zitiz V	=	affect.	OC. 102	Piecho Procho	Foddlar	Rom	101	Room 5	LIGHTING

LOCAT	ION	FHL	
BLDG.	NO.	178	

4.2 LIGHTIN	NG (continue	i)				
4.2.2 Exterior ACTUAL NO. OF FIXTURES WESS-4		NO. OF FIXTURES IN USE 4 Some	WATTS/ FIXTURE 75	TOTAL WATTS	CONTROL TYPE*	<u>REMARKS</u>
* M = Manual	T = Timer	P = Photo	ocell	Enter sc	hedule und	er Remarks.
CALCULATIONS	r turenton l	I CUTTING				

STTAM	ΛF	INTERIO	2 1	TCHTI	NG
WHILL	116	11415 2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	` [1 12111 1	ж

Actual at time of survey_____ Total installed___

WATTS OF EXTERIOR LIGHTING

Actual on at time of survey____ Total installed_____

LOCATI	ON	FHL
BLDG.		178

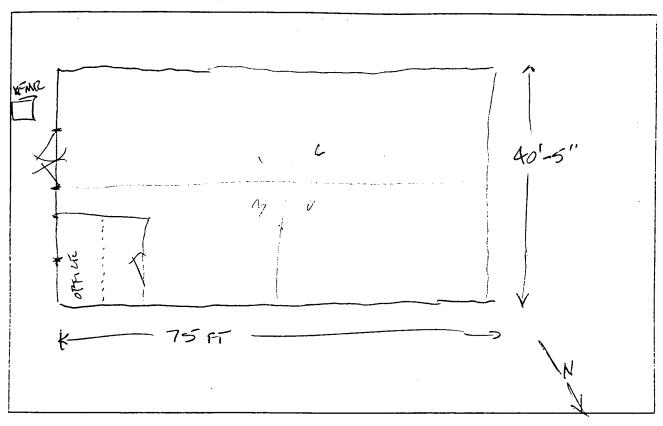
Describe: <u>none</u>	_		
	· ·		
DECEDERACIES IN USE		PERCENT	
RECEPTACLES IN USE	<u> </u>		
SMALL APPLIANCES IN U	SE (ENTER COUN	T)	
Water Cooler		_	
Vending Machine		_	
Space Heater		_	
Coffee Pot		_	
TV		_	
XEROX	•	<u>.</u>	
Other:			
	1		
Elec. Kit. Stone	1	_ Jaduson/ALCO H	10del 24B
pshwoster -		1/248/000	•
Refe.		- Rivie Htrs	
/		- Wesh Htrs total Load 5.5	1 K14 67 700
		أن المسام المسام المسام المسام المسام المسام المسام المسام المسام المسام المسام المسام المسام المسام المسام الم	1 40 COS

4.3 POWER USAGE SURVEY

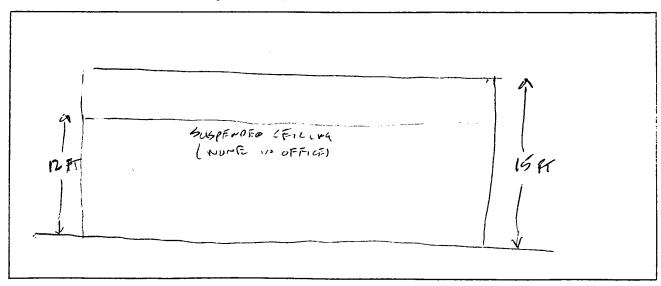
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JKMA I 10	11 3001	ice (D	nu.	10.71	LNJUI	''—		¥.(-	LΥ	<u></u>													
RAL BU	ILDING	DATA																					
BUILDI	NG AGE	: :	·{/;	£ 6.	•	YE.	ARS																
			. 4.																				
DUPLIC	AIE BL	ITUTN	IG NU:	›: <u> </u>														-		TOTA			
										-													
SIMILA	R BUII	DING	NUS:																	TOTA			
											ſ												<u>~</u>
BUILDI	NG OCC																NC). OF	OCC	UPAN	TS		<u> </u>
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MISCEL	LANEOI	JS EQL ≤D.⁄.	JI PME √~∩ &~	NT: _		loi u	0	D ·	<u> </u>	نايخد∩ ≥			7.	· V	[R.	ـ ن د د		- S	+ E	<u>r</u> .	 710	ces!	<u> </u>
		, Kitz					(0)17	-			<u> </u>					<u> </u>					<u> </u>		
ADDITI	ONAL (COMMEN	NTS.	CRITI	i CAL	LOAD	S:																
																							
CRAWL	SPACE	: VI	ENTIL	ATED			EXHA	AUSTE	D]												•	
ATTIC:		VI	ENTI	.AT ED			FXHA	USTE	n	1													

2.2 BUILDING FLOOR PLAN AND ELEVATION SKETCHES

FLOOR PLAN (Show dimensions and zones)



SOUTH ELEVATION (Show floor to ceiling elevations)



BUILDING FLOOR PLAN AND ELEVATION SKETCHES

LOCATION FHZ
BLOG. NO. 182

1	Т						I	T	i	Ĭ		Ī	Ī	ī	ī	?			
		REMARKS																	CASEMENT LOUVERED FIXED GLASS
INFILTRATION		CRACK LENGTH	, 9 x 2 , 8 x 8	//														WINDOW TYPES:	4.20.00 1 1 1
INF	1.2	LOOSE AUG	AUG	//														MINDO	1 - DOUBLE HUNG 2 - SINGLE HUNG 3 - SLIDING
	3/17	N 2																	1 - 000 2 - 510 3 - 5U
		YES	ン	>		<u> </u>										<u> </u>			
TAPL	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	FRAME**	3	W														ان.	:FN
		TRPL														U-VALUE		ILIT	IG T SCRE IANG PECIF
GLAZING*		E B													-	/\-n	••1	****VISIBILITY:	E - AWNING F - SOLAR SCREEN G - OVERHANG OTHER - SPECIFY
GLAZ	-	TYPE										<u> </u>					LEGEND:	*	0 0 1 = 0 1 = 0
-									<u> </u> 			-		-			E G		
6175	371C	L×H	6 7 00	6 200'													اد	ING:	SOLAR FILM VEN BLIND STORM WINDOW DRAPES
П	T	≩														REA		***SHADING:	OLAR EN BL TORM RAPES
		3														TOTAL AREA		*	000
		₹S.	`_													2		•	~
2 2	، ایر	2																	BREAK
NUMBER		ZE																ني	MAL B
	Г	<u></u>			-													**FRAME:	- WOOD - METAL - METAL/THERMAL
		뷛				_												*	WOOD METAL METAL
		2																	321-
	TYPE -																		I NG
DOOR/			56.1000x 44.185 300 0	METOL														*GLAZING:	1 - ORDINARY 2 - 1 ₄ " PLATE 3 - HEAT ABSORBING 4 - TINTED

BUILDING ENVELOPE				"	
CONSTRUCTION				_	0. 182
NALL ALL	COLOR: D] M [L [ROOF (INCL. CLG.)	TYPE: F COLOR: D	P
MATERIAL	THICKNESS (IN.)	R VALUE	MATERIAL	THICKNESS (IN.)	R VALUE
OUTSIDE FILM		025	OUTSIDE FILM		0.25
METAL		0.61	METAL ROOF		0.61
BATT INSUL	3"	(1.00	6" BATT	1	19.00
AIR SPACE		0.68	GYPBOARD		6.32
GYP BOARD	·	0.32			
INSIDE FILM		0.68	INSIDE FILM		0.68
	TOTAL	13.54	 	TOTAL	20.86
U-FACTOR D. 6	7 AREA		U-FACTOR 0. 0	AREA	
FLOOR			DOOR		R VALUE
FLOOR MATERIAL	THICKNESS (IN.)	R VALUE	DOOR MATERIAL	AREA THICKNESS (IN.)	R VALUE
FLOOR			DOOR		R VALUE
FLOOR MATERIAL			DOOR MATERIAL		R VALUE
FLOOR MATERIAL			DOOR MATERIAL		R VALUE
FLOOR MATERIAL			DOOR MATERIAL		R VALUE
FLOOR MATERIAL			DOOR MATERIAL		R VALUE
FLOOR MATERIAL OUTSIDE FILM			DOOR MATERIAL OUTSIDE FILM		R VALUE
FLOOR MATERIAL OUTSIDE FILM	THICKNESS (IN.)		DOOR MATERIAL OUTSIDE FILM	THICKNESS (IN.)	

HERTING CONTONENT					
HEATING EQUIPMENT	PACKAGED PRO	PANE HEAT.LL /T	ox Looling unit	BLDG. NO.	182
Heat Source:	, , , , , , , , , , , , , , , , , , , ,	7	A COOLING MAIL	(2 ENH)	
	Steam Hot Water			/	
	Boiler Boiler	Heat Sur Pump (Ex	pplied Steam or Hot Wa (ternal Boiler Plant)	other	
Capacity: 80	MBtu/Hr or	Boiler HP or	Lbs/Hr St	eam or	GPM Hot ¥
Manufacturer:	ARRIER				
	trol: Manual		Demand		
Operating Temperatu	ire:	°F	Operating Pressure:		
	Only Nat. Gas/				
V 0+ho= /s-	pecify) PrupanE		. Draft:	Forced	
(Sp	pecity) Plupans		•	Induced	
Burner: Mfg.		Model No	Me	tering Equipment:	Yes
Operating Schedule:	Weekdays:	From	To	Hr/Day	
	Weekdays & Holidays:		To		
	Operating Season:		Mon/Day, t		
					1,011/
			itions:		
If supplied Steam or Hot Water:	Steam Pressure		ly Temp°F	Hot Water Return To	етр
If supplied Steam or Hot Water: Insulation: (1) Bo	Steam Pressure	_PSI Hot Water Supp	ly Temp°F (2) Other (Speci	Hot Water Return To	етр
If supplied Steam or Hot Water: Insulation: (1) Bo	Steam Pressureiler or Area	PSI Hot Water Supp	ly Temp°F (2) Other (Speci	Hot Water Return To fy) rea	етр
If supplied Steam or Hot Water: Insulation: (1) Bo Po No	Steam Pressureiler or Area ne Temp	_PSI Hot Water Supp	ly Temp°F (2) Other (Speci	Hot Water Return To	етр
If supplied Steam or Hot Water: Insulation: (1) Bo	Steam Pressureiler or Area ne Temp	PSI Hot Water Supp	ly Temp°F (2) Other (Speci	Hot Water Return Toffy)reaemp.	emp.
If supplied Steam or Hot Water: Insulation: (1) Bo Po No Pump: No. of Pumps Mfg.	Steam Pressureiler or Area ne Temp	PSI Hot Water Supp	1y Temp°F (2) Other (Speci FT ² Poor A °F None T	Hot Water Return To	emp
If supplied Steam or Hot Water: Insulation: (1) Bo Po No Pump: No. of Pumps Mfg.	Steam Pressureiler or Area ne Temp	PSI Hot Water Supp	1y Temp°F (2) Other (Speci FT ² Poor A °F None T	Hot Water Return To	emp/
If supplied Steam or Hot Water: Insulation: (1) Bo Po No Pump: No. of Pumps Mfg. HW Pump Star	Steam Pressure iler or Area ne Temp. ter: HOA Rese	Models/S Push	ly Temp°F (2) Other (Speciff ² Poor A °F None T V/PH/FLA Button Interloc	Hot Water Return To	Yes
If supplied Steam or Hot Water: Insulation: (1) Bo Po No Pump: No. of Pumps Mfg. HW Pump Star	Steam Pressure iler or Area ne Temp ter: HOA Rese	ModelS/S Push	ly Temp°F (2) Other (Speciff ² Poor A °F None T V/PH/FLA Button Interlock	Hot Water Return To	Y Y
If supplied Steam or Hot Water: Insulation: (1) Bo Po No Pump: No. of Pumps Mfg. HW Pump Star FOR LARGE BOILERS (4) Condensate Pumps/Hot	Steam Pressure iler or Area ne Temp. ter: HOA Rese over 6,000 MBTUH): Com t Water Pumps: Mfg.	Models/S Pushabustion Control Mfg.	ly Temp°F (2) Other (Speciff ² Poor A None Towns Towns Towns Interloce Model	Hot Water Return To	Yes HP_
If supplied Steam or Hot Water: Insulation: (1) Bo Po No Pump: No. of Pumps Mfg. HW Pump Star FOR LARGE BOILERS (Condensate Pumps/Hotel) Boiler/Furnace Conditions	Steam Pressure	Models/S Pushabustion Control Mfg.	ly Temp°F (2) Other (Speciff ² Poor A None Towns Towns Towns Interlock Button Interlock Model	Hot Water Return To	Y Y Yes
If supplied Steam or Hot Water: Insulation: (1) Bo Po No Pump: No. of Pumps Mfg. HW Pump Star FOR LARGE BOILERS (Condensate Pumps/Hotel) Boiler/Furnace Conditions	Steam Pressure	Models/S Pushabustion Control Mfg.	ly Temp°F (2) Other (Speciff ² Poor A None Towns Towns Towns Interlock Button Interlock Model	Hot Water Return To	Y Y Yes
If supplied Steam or Hot Water: Insulation: (1) Bo Po No Pump: No. of Pumps Mfg. HW Pump Star FOR LARGE BOILERS (Condensate Pumps/Hotel) Boiler/Furnace Conditions	Steam Pressure iler or Area ne Temp. ter: HOA Rese over 6,000 MBTUH): Com t Water Pumps: Mfg.	Models/S Pushabustion Control Mfg.	ly Temp°F (2) Other (Speciff ² Poor A None Towns Towns Towns Interlock Button Interlock Model	Hot Water Return To	Y Y Yes
If supplied Steam or Hot Water: Insulation: (1) Bo Po No Pump: No. of Pumps Mfg. HW Pump Star FOR LARGE BOILERS (Condensate Pumps/Hotel) Boiler/Furnace Conditions	Steam Pressure	Models/S Pushabustion Control Mfg.	ly Temp°F (2) Other (Speciff ² Poor A	Hot Water Return To	Yes HP_
If supplied Steam or Hot Water: Insulation: (1) Bo Po No Pump: No. of Pumps Mfg. HW Pump Star FOR LARGE BOILERS (Condensate Pumps/Hotel) Boiler/Furnace Conditions	Steam Pressure	Model et P/B S/S Push	ly Temp°F (2) Other (Speciff ² Poor A	Hot Water Return To	Yes HP

				LOCATION BLDG. NO.	18
OLING EQUIPMENT		12.2.024	26.3	505G. NO	. 1.6
rn r	reaged ism	pane/DX AHV	(2 EACH)		
COMPRESSOR(S)/CHILLER			COOLING TOWER		
Manufacturer		UEATHERMAKER	Gravity		
Model No.	48LH00558		Mech. Draft		
Size	5 TUNS	-	Manufacturer		
Refrigerant	R-22		Model No.		
Motor HP (if available		-	Type of Fan		
Motor Voltage	5081/34	·	Fan RPM		
Motor FLA	_ 17		Fan Motor HP		
Measured Amps			Fan Motor Voltage		
	_		Fan Motor FLA	-	
CONDENSER/CONDENSING UNI	I WED	EVAP	Measured Amps		
Water Cooled					
Air Cooled			CHILLED WATER PUMPS (If more than one,	, how
Evaporative			operative during nor	mal operation: _	
Manufacturer			Manufacturer		
Model No.			Model No.		
Size			Capacity Gals.		
Type of Fan	-		Head, Ft.		
Fan Motor HP			Motor HP		
Fan Motor Voltage	2084/14	2084/19	Motor Voltage		
Fan Motor FLA	2		Motor FLA		
Measured Amps			Measured Amps		
CONDENSED WATER DUMPS /	If many than a	hair mann an an			
	II more chan or	ie, now many opera	te on normal operation:	,	
Manufacturer Model No.			,		
Capacity, Gals.					
Head, Ft.					
•					
Motor HP			·		
Motor Voltage					
Motor FLA					
Measured Amps					
REMARKS:					

DC	MESTIC HOT WATER HEATING SYSTEM / EQUIPME	LOCATION FITZ BLDG. NO. 182
a.	Is System Supported from (check one):	Central Plant ✓ One System per Building Several Small Systems per Building
b.	Domestic Hot Water Temperatures provided	:°F°F
c.	Average Pipe Sizes of All HW Piping and	
d.		: <u> </u>
e.	Is Hot Water Circulated?	
		3) Is aquastat provided?
	2) Circulator capacity	4) Aquastat temperature setting NA
DOI	MESTIC HOT WATER HEATING EQUIPMENT (If mon	re than one location, list each one)
a.	Location	Unit CLOSET
b.	Areas Served	Zantesans
c.	Manufacturer and Model	MIL ERGGER
d.	Energy (Oil, Gas, Electric, Coal, Etc.)	Propart
e.	Type Heaters & Quantities:	
	1) Storage	
	2) Instantaneous	
	3) Semi-Instantaneous	
f.	Heater Size and Storage Capacity	1502 W
g.	Heating Capacity	64AL
h.	Type Controls (Air, Steam, Electric)	FIRE
i.	When Installed & Condition	NE W
j.	Heater Temperature Setting	
k.	Average Water Maintained Temperature	
1.	Temperature Differential (j) - (k)	
m.	Is Hot Water Supply Adequate:	
п. О.	Insulation Thickness Insulation Material	Туре

3.4

REFRIBERATION EQUIPMENT DATA

CONDENSING UNITS

1	pon				
	\	BLS	6182		
	Sinual Sinaul	SMELL BUAL	(D) HUMC	large	Since
	LARGE"	HUSSMANN SN 9061-004	HO CA0915 R	LKXU	

Receiver Cap. 80% Fuce 99 LBS 2502

Ried Chya

Compr RLA 32 Amps 208/230 volts 60 Hz 36

Compr. Clay Fan Mtr '208/230 volts 16

Cond. Fan Mtr 2.5 FLA 208/230 volts 60 Hz 16

Max Defrost Amps 50 A 460 V

MAX Overwyrant Protective Devices

208/230 V 70 A 460 V

5/10/90

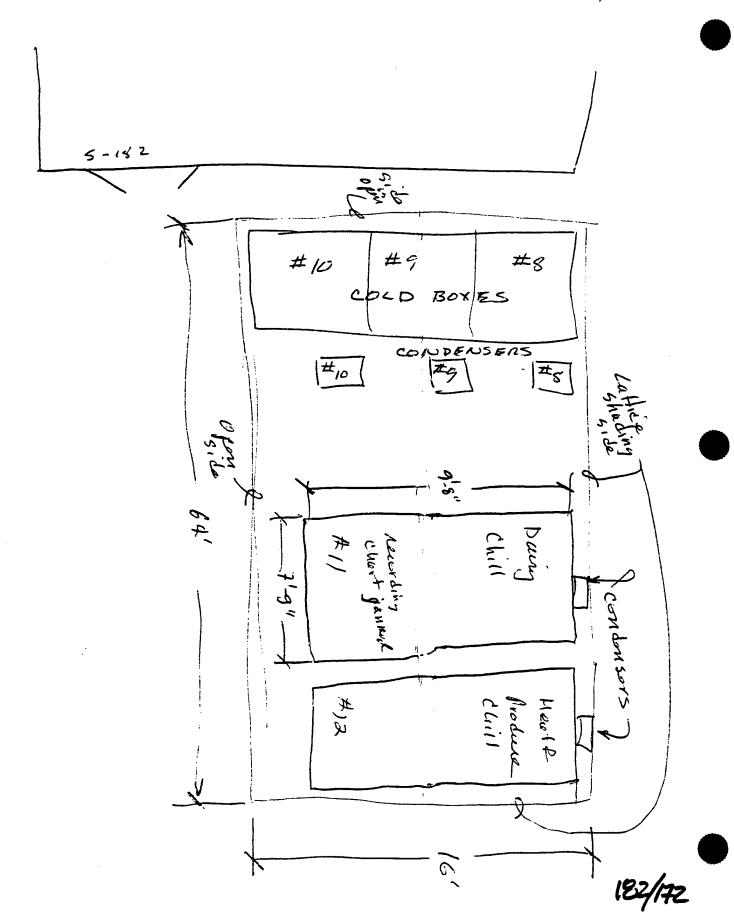
EMALL: HUSSMANN MIDEL HOCAUZIZVHKXM

THE COMPA. RLA = 12 ZOY/ZZOV, ZØ

FOR COND FAN MOTH, Z.SA 208/ZZOI, ib

COMP. FAN' - LOB/ZZOV, 18

R-ZZ



UNITS INSIDE LOUTSIDE containing Product #4 HUSSMANN HU DHIZZHUL R502 120 0 1109 A Lights 208 V 7,8 A Da Frost 120 U. ZIA For R 502 #5 HUSSMANN MN:MHF/24 120 V 7,2 Lights 208V 7.8 Defrost 120 y 3.1 Fam #6 HUSSMUNN MN: PHIAK 120 V 313 A lights 208 V -120 V 1.4 A Fan sume us #6 #7 Barrons Metal Products #8 HILSPEC: MIL R 10932E TECHHAMAK: MB5 4110 304/1 MN: 600 CI TZ Same as #8 #9 Same as #8 #10

Kolpak Walk-in Box see plan for demonsions

#11

#12

CONDENSING UNITS

HER HEATCHECT INC.,

MN: TRH -020-AL53F SN: WILH 00040

308/230N 3PH 60HZ HIDCKT AMIACUTY 17.0

Compressor: COND. FAN

MLA LRA 2EA 1/15 HP 0.5 FLA EACH

5.9 460 A

DESIGN PRESSURE KIT EVAP FAN HTR

HIGH LOW AK-IT 5 AMPS

400 psig 162 psg Defrost HTR 17 AMP

R502:6.2264 -40° F EVAP MIN 0° F EVAP MAX

#9 Same as #8 SN: WUH 00033

#10 Some as #8 3N: WUH0045

#11 Copeland EBAM - A075-TAC -001
01F9D PRODUCT CODE NO
COMPR.
2.6 PLA 19.4 LRA A.44111 AMMADIT R12
208/230V 30 60#2 15 A func

#12 same as #11

ReCrigeration Tomperature Convol

Com Tral E2-set The -3005 CKF 1 -14 °F 2 -9 3 -6 4 38 5 31 6 35 7 39 8 1 9 -5 10 -4 11 32

	4.2.1 Interior	Lightir	ig									
78) .BLDG. [87	REMARKS	(10)			•							
がけて	WINDOW											
ION	COLORS C C C C C C C C C C C C C C C C C C C	,										
LOCATION		1										
	MEASURED 11LLUMI- CETLING NATION HEIGHT	9										
,	WATTS PER SQ.FT.											
	FLOOR AREA SERVED											
	LIGHTING FLOOR ENERGY SERVED											
	DAYS/ YEAR ON											
	HOURS/ DAY ON											
	TOTAL WATTS											
	LAMPS NUMBER PER OF FIXTURE FIXTURES AND HATTS/	69	4	1	-	1.	1	-		-	_	
	LAMPS PER FIXTURE AND WATTS/	_/~	12/2	027	260	9200	2/2	1. th	3/15	3/1/2	7/2	
	LAMP TYPE AND WATTS	1296	tho	チップ	12.1	76 A	パル	r r r	FYD	kyo	Fro	ING RGY
·=:	FIXTURE TYPE	5	5	<u>ب</u>	5	>	ِ ک	>	5	5	<u>ح</u>	TOTAL BUILDING LIGHTING ENERGY
LIGHTING	TASK	3	7	PLEY!	REFZ	Ref 3	िराह मे	Re1: 5	Parto	Rif 7	College	T01/ L16H

LIGHTING

Recessed = R
Suspended = S
Ventilated = V
Pole Mounted = PM
Other--Describe

1 = Corridors 6 = Offices-drafting 12 = Storage room 2 = Kitchens 7 = Laundry 13 = Retail store 3 = Dining 8 = Toilets (Px, commissary) 4 = Offices-general 9 = Sleeping quarters Other (describe on 5 = Offices-bookkeeping 10 = Supply rooms audit form) (ledgers only) 11 = Repair shops E = Exterior

Tasks Code:

EGEND:

LIGHTING

If there are windows, indicate:

Window Code:

Lamp Types:

Fixture Types:

Curtains = C Shades = S No Shading = NS

Incandescent = I Fluorescent = F Sodium Vapor = SV Mercury Vapor = MV Metal Halide = MH Other--Describe

4.2.1

LOCAT	ION	FIL
BLDG.	NO	182

4.	2 -	LIGHTING	(continued)
┰•	_		100:10:110-7

4.2.2 Exterior Lighting

ACTUAL NO. OF FIXTURES	TYPE OF FIXTURE	NO. OF FIXTURES IN USE	WATTS/ FIXTURE	TOTAL WATTS	CONTROL TYPE*	REMARKS
2	TUCARD	7	100	2002.	TOPP	
	·		·			
*:						·
	,					
* M = Manua	1 T = Timer	P = Photo	oce11	Enter sc	hedule und	er Remarks.

CALCULATIONS

WATTS OF INTERIOR LIGHTING

Actual at time of survey_

Total installed_

WATTS OF EXTERIOR LIGHTING

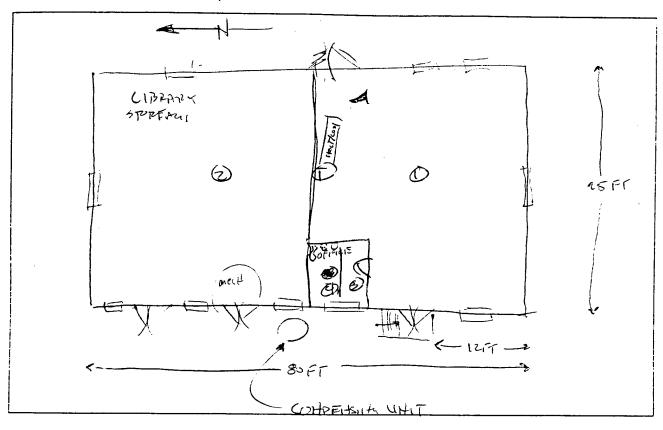
Actual on at time of survey_

Total installed_

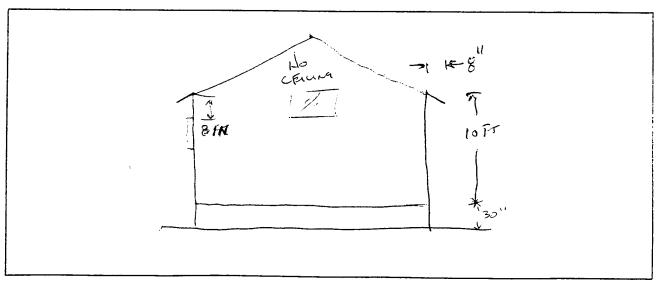
ARCHITECTURE FH	- MISCELLAN	SURVEYED BY	RUB	DATE OU 9
4	-126	FUNCTION/USE	3F4CE	
DING NUMBER		101017017032_		
RMATION SOURCE (DWG	G. NO./PERSON)	1150	<u> </u>	
AND DUTY DANC DATA				
RAL BUILDING DATA				
BUILDING AGE:	MEN YE	ARS		
DUPLICATE BUILDING	NOS:			
				TOTAL:
SIMILAR BUILDING N	NOS:			
				TOTAL:
BUILDING OCCUPANCY	΄ :	CONTINUOUS (24 HRS/D	AY)	NO. OF OCCUPANTS 7
		n of occupants each		
	+			
M			+++-7	
T -				
W T		 		
F				
s				
s				18 20 22 24
0 2	4 6	8 10	12 14 16	18 20 22 24
MISCELLANEOUS EQU	II PMENT:			
ADDITIONAL COMMEN	NTS, CRITICAL LO	ADS:		
			(
CRAWL SPACE: VI	ENTILATED	EXHAUSTED []	1110	
ATTIC: VI	ENT II ATED	EXHAUSTED 1206	C.	

2.2 BUILDING FLOOR PLAN AND ELEVATION SKETCHES

FLOOR PLAN (Show dimensions and zones)



SOUTH ELEVATION (Show floor to ceiling elevations)



BUILDING FLOOR PLAN AND ELEVATION SKETCHES

LOCATION FIX
BLOG. NO. 186

							i												
	REMARKS ***, ****	()	METAL																4 - CASEMENI 5 - LOUVERED 6 - FIXED GLASS
INFILTRATION	CRACK	4.57	, 8×2 , 8×2															DOW TYP	
INI	FIT LOOSE AUG																	MIN	- DOUBLE HUNG - SINGLE HUNG - SLIDING
	W/S VES NO					-												ļ	-28
TVDE	OF FRAME**	Σ																 -	EEN FY
*	TRPL															U-VALUE		****VISIBILITY:	E - AWNING F - SOLAR SCREEN G - OVERHANG OTHER - SPECIFY
GLAZING*	TYPE DBL	す			,												EGEND:	* * *	6 - 0 0 THE
37.13		8409	6,8,														LE	ING:	- SOLAR FILM - VEN BLIND - STORM WINDOW - DRAPES
IT	₹		3													AREA	-	***SHADING:	SOLAR VEN BI STORM DRAPES
	3	12	~						<u> </u>		ļ	ļ			<u> </u>	TOTAL AREA		-	A 8 0 0
	MS									-	-		 	-				1	BREAK
NUMBER	SE S	<u> </u>							-	-	-	-	-	-	-	-		ü	MAL BF
	S	-				1				-	-		-	-		1		**FRAME:	WOOD METAL METAL/THERMAL
	¥	1	-				1	1	<u> </u>			+-							- WOOD - METAI
	z	-																	32-
	TYPE	3	这																ORB I NG
	MINDOW DESIG.	3	1 2	ļ														*GLAZING:	1 - ORDINARY 2 - 1 " PLATE 3 - HEAT ABSORBING 4 - TINTED
<u></u>		<u>ئــ ا</u>	1	:	<u> </u>					1		<u> </u>	<u>!</u>		ARCH	— ∶TECTUR	AL WI	NDOW	S & DOORS

BUILDING ENVELOPE			•	BLDG. NO.	N <u>F</u>
CONSTRUCTION				TYPE: F	Р
WALL	COLOR: D	м 🗶	ROOF (INCL. CLG.)	COLOR: D	MX
MATERIAL	THICKNESS (IN.) R	VALUE	MATERIAL	THICKNESS (IN.)	R VALUE
OUTSIDE FILM	METAL		OUTSIDE FILM		
METRE	METAL A"		Cofficients NEON	1/8"	
INSCHATION	(')		COFFICIATED MEDIC NETIBERALASS NESUCATION	1/1	
METAL	1/8"		AND SPATE	400	
			Account on	1/2"	-
INSIDE FILM			INSIDE FILM		
INSIDE FILM	TOTAL			TOTAL	
	ì	1			
	AREA		U-FACTOR DOOR	AREA	
FLOOR 5 6 G			DOOR		R VALUE
	·	VALUE	DOOR MATERIAL	THICKNESS (IN.)	R VALUE
FLOOR 5 6 G		VALUE	DOOR		R VALUE
MATERIAL		VALUE	DOOR MATERIAL		R VALUE
FLOOR S G G		VALUE	DOOR MATERIAL		R VALUE
FLOOR S G G		VALUE	DOOR MATERIAL		R VALUE
FLOOR S G		VALUE	DOOR MATERIAL		R VALUE
FLOOR S G G MATERIAL OUTSIDE FILM		VALUE	DOOR MATERIAL OUTSIDE FILM		R VALUE
FLOOR S G	THICKNESS (IN.) R	VALUE	DOOR MATERIAL	THICKNESS (IN.)	R VALUE
FLOOR S G G MATERIAL OUTSIDE FILM		VALUE	DOOR MATERIAL OUTSIDE FILM		R VALUE

LOCATION	FIL
BLDG. NO	180

Operating Schedule: Weekdays: From To Hr/Day Weekdays & Holidays: From To Hr/Day Operating Season: From Mon/Day, to Mon/Day Flue Gas Temperature: °F Receiver Tank Conditions: PSIG °F If supplied Steam Steam Pressure .PSY Hot Water Supply Temp. °F Hot Water Return Temp. °F Insulation: (1) Boiler (2) Other (Specify) FT2 None Temp. °F None Temp. °F Pump: No. of Pumps V/PH/FLA / / Mfg.	Heat Source: Furnace	Trim_PSINo
Heat Source: Furnace	Heat Source: Furnace	Trim _PSI
Bay Bay	Bate Bate	Trim _PSI
Manufacturer:	Manufacturer:	Trim _PSI
Denand JCMCS 02 Trim Operating Temperature:	Boiler/Furnace Control: Manual Time Clock Demand EMCS 02 Operating Temperature:	PSI
Operating Temperature:	Operating Temperature: Fuel: Nat. Gas Only Nat. Gas/ Draft: Forced Induced	PSI
Fuel: Nat. Gas Only Nat. Gas/ Draft Forced Induced Burner: Mfg. Model No. Metering Equipment: Yes No Netering Schedule: Weekdays: From To Hr/Day Weekdays & Holidays: From To Hr/Day Mon/Day, to Mon/Day Non/Day uel: Nat. Gas Only Nat. Gas/ Draft: Forced Jother (Specify) PCOPRISE Induced Burner: Mfg. Metering Equipment: Yes Operating Schedule: Weekdays: From To Hr/Day Weekdays & Holidays: From Mon/Day, to Mon/Day Operating Season: From Mon/Day, to Mon/Day Flue Gas Temperature: °F Receiver Tank Conditions: PSIG If supplied Steam or Hot Water: Steam Pressure PSI Hot Water Supply Temp. °F Hot Water Return Temp. Insulation: (1) Boiler (2) Other (Specify)	No	
Burner: Mfg	Burner: Mfg	
Burner: Mfg	Burner: Mfg	
Operating Schedule: Weekdays: From To Hr/Day Weekdays & Holidays: From To Hr/Day Operating Season: From Mon/Day, to Mon/Day Flue Gas Temperature: °F Receive Tank Conditions: PSIG °F If supplied Steam Steam Pressure PSX Hot Water Supply Temp. °F Hot Water Return Temp. °F Insulation: (1) Boiler (2) Other (Specify) F F Poor Area FT2 Poor Area FT2 None Temp. °F None Temp. °F Pump: No. of Pumps V/PH/FLA / YPM HP RPM HW Pump Starter: HOA Reset P/B S/S Push Button Interlocked with Boiler? Yes No FOR LARGE BOILERS (over 6,000 MBTUH): Combustion Control Mfg. Model HP HP HP Boiler/Furnace Condition: Describe Model HP HP HP HP	Operating Schedule: Weekdays: From To Hr/Day Weekdays & Holidays: From To Hr/Day Operating Season: From Mon/Day, to Mon/Day, to Mon/Day, to Mon/Day Flue Gas Temperature: °F Receiver Tank Conditions: PSIG If supplied Steam Steam Pressure PSI Hot Water Supply Temp °F Hot Water Return Temp Insulation: (1) Boiler (2) Other (Specify)	
Weekdays & Holidays: From	Weekdays & Holidays: From To Hr/Day	
Weekdays & Holidays: From To Hr/Day Operating Season: From Mon/Day, to Mon/Day Flue Gas Temperature: °F Receiver Tank Conditions: pSIG °F If supplied Steam or Hot Water: Steam Pressure .PSI Hot Water Supply Temp. °F Hot Water Return Temp. °F Insulation: (1) Boiler (2) Other (Specify) Area FT2 None Temp. °F None Temp. °F Pump: No. of Pumps V/PH/FLA / / Mfg. Model HP RPM HW Pump Starter: HOA Reset P/B S/S Push Button Interlocked with Boiler? Yes No FOR LARGE BOILERS (over 6,000 MBTUH): Combustion Control Mfg. Model HP HP Boiler/Furnace Condition: Describe Model HP HP HP	Weekdays & Holidays: From To Hr/Day Operating Season: From Mon/Day, to	
Flue Gas Temperature:	Flue Gas Temperature:°F Receiver Tank Conditions:PSIG If supplied Steam Steam PressurePSI Hot Water Supply Temp°F Hot Water Return Temp Insulation: (1) Boiler(2) Other (Specify)	n/Day
If supplied Steam	If supplied Steam Steam PressurePSY Hot Water Supply Temp°F Hot Water Return Temp Insulation: (1) Boiler(2) Other (Specify)	
If supplied Steam or Hot Water: PST Hot Water Supply Temp.	If supplied Steam Steam PressurePSY Hot Water Supply Temp°F Hot Water Return Temp or Hot Water: (1) Boiler (2) Other (Specify)	°F
Poor		
Pump: No. of Pumps		
Pump: No. of Pumps V/PH/FLA / Mfg. Model HP RPM HW Pump Starter: HOA Reset P/B S/S Push Button Interlocked with Boiler? Yes No FOR LARGE BOILERS (over 6,000 MBTUH): Combustion Control Mfg. Model HP Boiler/Furnace Condition: Describe		
Mfg		
HW Pump Starter: HOA Reset P/B S/S Push Button Interlocked with Boiler? Yes No FOR LARGE BOILERS (over 6,000 MBTUH): Combustion Control Mfg. Model Condensate Pumps/Not Water Pumps: Mfg. Model HP Boiler/Furnace Condition: Describe		
FOR LARGE BOILERS (over 6,000 MBTUH): Combustion Control MfgModelModelModelModel		
Condensate Pumps/Not Water Pumps: MfgModel HP Boiler/Furnace Condition: Describe	HW Pump Starter: HOA Reset P/B S/S Push Button Interlocked with Boiler? Yes	No
Condensate Pumps/Mot Water Pumps: MfgModelHP	FOR LARGE BOILERS (over 6,000 MBTUH): Combustion Control Mfg Model	
Boiler/Furnace Condition: Describe		
Describe	Condensate Pumps/Not water Pumps: Mrg	
	Boiler/Furnace Condition:	
Occupant Discomfort (Evaluate):	Describe	
Occupant Discomfort (Evaluate):		
	Occupant Discomfort (Evaluate):	

3.2 COOLING EQUIPMENT

COMPRESSOR(S)/CHILLER			COOLING TOWER	
Manufacturer		/	Gravity	
Model No.			Mech. Draft	
Size			Manufacturer	
Refrigerant			Model No.	
Motor HP (if availabl	e)		Type of Fan	
Motor Voltage			Fan RPM	<u> </u>
Motor FLA			Fan Motor HP	
Measured Amps	/		Fan Motor Voltage	
CONDENSED (CONDENSE INC. 184	/ IT		Fan Motor FLA	
CONDENSER/CONDENSING UN	II R-22		Measured Amps	/
Water Cooled				
Air Cooled				(If more than one, how many
Evaporative	1= 1			rmal operation:)
Manufacturer Alu Fr			Manufacturer	
Model No. 569	BPXO9000 ACAI	A	Model No.	
Size			Capacity Gals.	
Type of Fan	COHO	COMP	Head, Ft.	- NIE
Fan Motor HP	1/2	<u> </u>	Motor HP	/
Fan Motor Voltage	250/230	256/230	Motor Voltage	/
Fan Motor FLA	2.9 FG3	30.1 RUA	Motor FLA	
Measured Amps	()		Measured Amps	/
CONDENSER WATER PUMPS	(If more than on		te on normal operation: _)
Manufacturer				
Model No.				
Capacity, Gals.				
Head, Ft.				
Motor HP				
Motor Voltage				
Motor FLA	100			
Measured Amps				
REMARKS:				
/				

AIR HANDLING EQUIPMENT	SPUT SY -	EM		LOCATION FAC BLCG. NO. 186
	Product # 3956	14V3480757AAC	ýÅ.	
FANS				
Type				
Unit/Zone	#	# #		<u> </u>
Manufacturer	SARRIER	4		
Model No.	395 LAV 043075			
Туре	HOODR CENT			
RPM of Fan	-			
Motor HP	1/2			
Motor Volts				
Motor FLA				
Measured Amps				
CFM (from Plans)	2.51 50			
Notes				
	FLORUMI ZER .	9A RETRUFIT		
COILS	BUT NO RELIE			
Indicate capacities	where found:	,		
	COOLING : - RAMA		HUMIDIFICATION	
	DXMOD. 518CX	LOGBODD, MACA	ELEC	
•	OTHER		H ₂ 0	
			OTHER	
	HEATING	/		
	GAS		AUX/MISC OTHER	
	H ₂ 0		NK	
	ELEC			
	OTHER		-/	
FILTERS			,	
Туре				

 $\underline{1}/$ Record only if manometer is installed on the unit.

 ${\tt Condition}$

3.3

LOCAT	ION	FH
BLDG. N	0	100

3.4 DOMESTIC HOT WATER HEATING SYSTEM / EQUIPMENT

а.	Is System Supported from (check one): Central Plant One System per Building Several Small Systems per Building
ь.	Domestic Hot Water Temperatures provided: 2F 9F
c.	Average Pipe Sizes of All HW Piping and Approximate Run of Each:
d.	Is Piping System Insulated and Condition:
е.	Is Hot Water Circulated?
	1) Condition of circulator
	2) Circulator capacity 4) Aquastat temperature setting
יוסם	MESTIC HOT WATER HEATING EQUIPMENT (If more than one location, list each one)
a.	Location
٥.	Areas Served
Ξ.	Manufacturer and Model Francy (Oil Cas Floatric Coal Ft.)
i.	Energy (Oil, Gas, Electric, Coal, Etc.)
₽.	Type Heaters & Quantities:
	1) Storage
	2) Instantaneous
	3) Semi-Instantaneous
f.	Heater Size and Storage Capacity
	Heating Capacity
١.	Type Controls (Air, Steam, Electric)
	When Installed & Condition
i.	Heater Temperature Setting
٤.	Average Water Maintained Temperature
	Temperature Differential (j) - (k)
1.	Is Hot vater Supply Adequate:
	Insulation Thickness Type

•	4.2.1 Interior	Lightin	g	W	Mun	ATE	×		41	6 L	- SX	H-	K.	6
BLDG. (85)	REMARKS	4 SW1 1845	S	S	\mathcal{N}			·						
	WINDOW													
LOCATION THE	FINISH LL AW	9												
LOCATI	S	5												
	. ∺										_			
	MEASURED ILLUMI- NATION	(1)			9									E N D :
	WATTS PER SQ.FT.	(4/4/5)												L E G
	FLOOR AREA SERVED													N G
	LIGHTING FLOOR ENERGY SERVED	(KWH/YK) (FI*)												LIGHTING
	DAYS/ YEAR ON													-
	HOURS/ DAY ON													
	TOTAL WATTS													
	LAMPS NUMBER PER OF FIXTURE FIXTURES AND WATTS/	21	す	2	6									
	LAMPS PER FIXTURE AND WATTS/	A TARE	a/	b/	$\sqrt{\frac{2}{\sqrt{2}}}$									
	LAMP TYPE AND WATTS	T	\J_	<u>L</u>	12								ING IFRGY	
	FIXTURE TYPE	1	5	√	2		,						TOTAL BUILDING	
LIGHTING	TASK	100	3	€ (347.4)	Survey 13								101	

4.2

Lighting

LIGHTING 4.2.1

Recessed = R Suspended = S Ventilated = V Pole Mounted = PM Other--Describe

12 = Storage room 13 = Retail store (Px, commissary) Other (describe on audit form) E = Exterior

1 = Corridors 6 = Offices-drafting 2 = Kitchens 7 = Laundry 3 = Dining 8 = Toilets 4 = Offices-general 9 = Sleeping quarters 5 = Offices-bookkeeping 10 = Supply rooms (ledgers only) 11 = Repair shops

If there are windows, indicate:

Window Code:

Lamp Types:

Fixture Types:

Curtains = C Shades = S No Shading = NS

Incandescent = I Fluorescent = F Sodium Vapor = SV Mercury Vapor = MV Metal Halide = MH Other--Describe

Tasks Code:

LOCATION	Fitz
BLDG. NO.	186

4.2 <u>LIGHTI</u> 4.2.2 <u>Exteri</u>	NG (continue or Lighting	d)					
ACTUAL NO. OF FIXTURES	TYPE OF FIXTURE	NO. OF FIXTURES IN USE	WATTS/ FIXTURE	TOTAL WATTS	CONTROL TYPE*	REMARKS ON 24 HC TIMER	
3	Utatino	, ,		·		TIME	
·			·				
							
* M = Manua	1 (T) Time	r P = Phot	ocell	Enter so	chedule und	der Remarks.	
ON OUR ATTOMO		•	•				

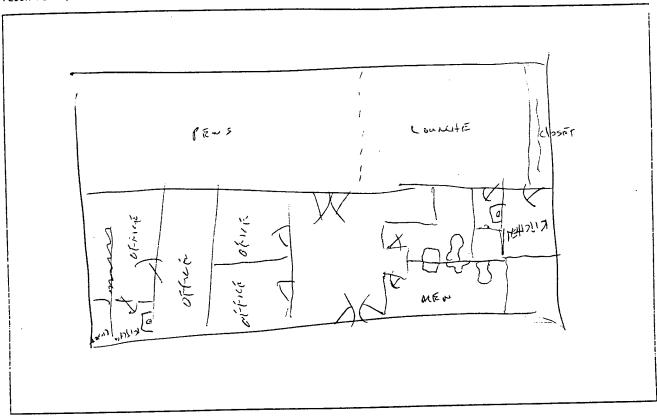
CALCULATIONS

WATTS OF INTERIOR LIGHTING	<i>-</i>
Actual at time of survey	· ——
Total installed	
WATTS OF EXTERIOR LIGHTIMS Actual on at time of survey	
Total installed	

1 ARCHITECTURE - MISCELLANEOUS	
CATION FAC SURVEYED BY PUBIBIH	DATE 16/6/92
DING NUMBER 190 FUNCTION/USE CHAPEL DEPARTMENT OF THE PROPERTY OF THE PROPERT	·
MISCIAE /DRALL	
RMATION SOURCE (DWG. NO./PERSON)	
ERAL BUILDING DATA	
BUILDING AGE: YEARS	
·	
DUPLICATE BUILDING NOS:	TOTAL:
CIMILAD DULL DING NOC.	
SIMILAR BUILDING NOS:	TOTAL:
BUILDING OCCUPANCY: CONTINUOUS (24 HRS/DAY)	NO. OF OCCUPANTS (
Indicate (number and) duration of occupants each day	10. 01 00001711113 <u>1</u>
M T	7
w land and the second s	
т	
S S	
0 2 4 6 8 10 12 14 16	18 20 22 24
MISCELLANEOUS EQUIPMENT:	
ADDITIONAL COMMENTS, CRITICAL LOADS:	
•	
	· ·
CRAWL SPACE: VENTILATED EXHAUSTED	

2.2 BUILDING FLOOR PLAN AND ELEVATION SKETCHES

FLOOR PLAN (Show dimensions and zones)



SOUTH ELEVATION (Show floor to ceiling elevations)

MSED AS BUILT DWGS PROVIDED

	INFILTRATION	CRACK REMARKS															WINDOW TYPES:	4 - CASEMENT 5 - LOUVERED 6 - FIXED GLASS
		W/S FIT	27								>						NIA	1 - DOUBLE HUNG 2 - SINGLE HUNG 3 - SLIDING
	TYPE		β -								-						 -	FY FE
	GLAZ ING*	TYPE DBL TRPL	20	3	<i>e</i> 2	20	poon	parm	5	Sport (paq				U-VALUE	E N D :	****VISIBILITY:	E - AWNING F - SOLAR SCREEN G - OVERHANG OTHER - SPECIFY
	SIZE		019×,7	,81×,p	3,22,8	18"x 54"	m ,87,9	3, 47, 8	, 9 ×,9	3,×1, W	6'x8' 0					LEGEND	JING:	FILM IND WINDOW
		SW W NW													TOTAL AREA	·	***SHADING:	A - SOLAR FILM B - VEN BLIND C - STORM WINDOW D - DRAPES
FE	SÜRE		-						4	-	_							3REAK
N W	EXPOSURE	SE															**FRAME:	ERMAL 8
		NE E			.09	76	1	~						-	<u> </u> 		**	W - MOOD M - METAL T - METAL/THERMAL BR
		Z	<u>a</u> .															
		WINDOW TYPE DESIG.	10 Sal	we	24	<i>W</i> 3		P3	WA	Da	620						*GLAZING:	1 - ORDINARY W - WOO 2 - 1," PLATE M - MET 3 - HEAT ABSORBING T - MET 4 - TINTED

		_		TYPE: F] P
WALL	COLOR: D	M r	ROOF (INCL. CLG.)	COLOR: D] M []
MATERIAL	THICKNESS (IN.)	R VALUE	MATERIAL	THICKNESS (IN.)	R VALUE
OUTSIDE FILM			OUTSIDE FILM		
	·				
INSIDE FILM			INSIDE	TOTAL	·
	TOTAL				
U-FACTOR	AREA		U-FACTOR DOOR	AREA	
ELUOD I	Į.	7		i	
FLOOR	THICKNESS (IN.)	R VAINE	MATERIAL	THICKNESS (IN.)	R VALUE
	THICKNESS (IN.)	R VALUE	MATERIAL OUTSIDE FILM	THICKNESS (IN.)	R VALUE
MATERIAL		R VALGÉ		THICKNESS (IN.)	R VALUE
MATERIAL		(N)		THICKNESS (IN.)	R VALUE
MATERIAL		(N)		THICKNESS (IN.)	R VALUE
MATERIAL	Stray	(N)		THICKNESS (IN.)	R VALUE
MATERIAL OUTSIDE FILM	Sheri to Sheri	(N)	OUTSIDE FILM	THICKNESS (IN.)	R VALUE
MATERIAL OUTSIDE FILM	Sheri to Sheri	(N)			
MATERIAL	Sheri to Sheri	(N)	OUTSIDE FILM	THICKNESS (IN.)	

'3.1 HEATING EQUIPMENT

Heat Source: Furnace Steam Hot Water Heat Supplied Steam or Hot Water Other
Capacity: 427 MBtu/Hr or 17.6 Boiler HP or Lbs/Hr Steam or GPM Hot Water 5261 M94T Manufacturer: BURN HAM Model No.: 4FU 63-50-LB
Boiler/Furnace Control: Manual Time Clock Demand EMCS 02 Trim
Operating Temperature:°F Operating Pressure:PSI
Fuel: Nat. Gas Only Nat. Gas/ Draft: Forced Other (Specify) No. 2 OLL Induced
Burner: Mfg. PAY BUZNEZ MFG Model No. UPE-O Metering Equipment: Yes No
Operating Schedule: Weekdays: From 633 To 1900 Hr/Day
Weekdays & Holidays: From 05 30 To 1900 Hr/Day
Operating Season: From Mon/Day, to Mon/Day
Flue Gas Temperature:°FReceiver Tank Conditions:PSIG°F
If supplied Steam Steam Pressure PSI Hot Water Supply Temp. °F Hot Water Return Temp. °F
Insulation: (1) Boiler (2) Other (Specify)
Poor Area FT ² Poor Area FT ²
None Temp. °F None Temp. °F
Pump: No. of Pumps 2 V/PH/FLA / /
MFg. BEIL & CICKET Model HP 1/4 1/2 RPM 1750
HW Pump Starter: HOA Reset P/B S/S Push Button Interlocked with Boiler? Yes No
FOR LARGE BOILERS (over 6,000 MBTUH): Combustion Control Mfg. Model
Condensate Pumps/Hot Water Pumps: Mfg. Model HP
Boiler/Furnace Condition:
Describe Hot With SET ST. 116
Of SET POINT 94 do of LUCIKOUT
Occupant Discomfort (Evaluate):
,

3.2 COOLING EQUIPMENT

MPRESSOR(S)/CHILLER	COOLING TOWER
Manufacturer	Gravity
Model No	Mech. Draft
Size	
Refrigerant	Model No.
Motor HP (if available)	Type of Fan
Motor Voltage	Fan RPM
Motor FLA	Fan Motor HP
Measured Amps	Fan Motor Voltage /
	Fan Motor FLA
ONDENSER/CONDENSING UNIT	Measured Amps
Water Cooled	CHILLED WATER PUMPS (If more than one, how many
Air Cooled	operative during normal operation:)
Evaporative	Mapufacturer
Manufacturer	Model No.
Model No.	Capacity Gals.
Size	Head, Ft
Type of Fan	Motor HP
Fan Motor HP	Motor Voltage
Fan Motor Voltage	Motor FLA
Fan Motor FLA	Measured Amps
Measured Amps	
CONDENSER WATER PUMPS (If more than the, how ma	ny operate on normal operation:)
Manufacturer	
Model No.	
Capacity, Gals.	
Head, Ft.	
Motor HP	
Motor Voltage	
Motor FLA	
Measured Amps	
1104341 C4 11117	
REMARKS:	

3.3 AIR HANDLING EQUIPMENT

FANS				
Type				
Unit/Zone	# Az-1	# AZ-Z	# #	
Manufacturer	FEDDERS			
Model No.	CTC doo CBA	CTLOGOFE	BF	
Туре	PRESTURD	MucDerseo		
RPM of Fan	444			
Motor HP	3/4			
Motor Volts	23	708		
Motor FLA	6.4	19.1		
Measured Amps	20(RM)	33 rum		
CFM (from Plans)				
Notes				
COILS				
Indicate capacities	where found:			
	COOLING	_	HUMIDIFICATION	
	DX		ELEC	
	H ₂ 0		STEAM	
	OTHER		н ₂ 0	
	HEATING		OTHER	
	GAS		AUX/MISC OTHER	
	Н20	/		
	ELEC			
	OTHER			
FILTERS				
Туре			<u> </u>	
Condition				
Manometer Reading 1	1			

1/ Record only if manometer is installed on the unit.

٠,

Di	OMESTIC HOT WATER HEATING SYSTEM/EQUIPM	<u>ENT</u>	LOCATION Fite BLOG. NO. 190
a.			tem per Building
b.	Domestic Hot Water Temperatures provided	d:	_
c.	Average Pipe Sizes of All HW Piping and	Approximate Run of Each:	
d.	Is Piping System Insulated and Condition		
e.	Is Hot Water Circulated?	υD	
		3) Is aquastat provided?	
	2) Circulator capacity	4) Aquastat temperature setti	ng
<u>D01</u>	MESTIC HOT WATER HEATING EQUIPMENT (If mo		
		\.	
a.	Location	RECH RM	
b.	Areas Served	11	
c.	Manufacturer and Model	HATTONAL HSG-6	
d.	Energy (Oil, Gas, Electric, Coal, Etc.)		
e.	Type Heaters & Quantities:		
	1) Storage		
	2) Instantaneous		
£	3) Semi-Instantaneous		_
	Heater Size and Storage Capacity	<u>6000</u>	
	Heating Capacity	1.05 Ku	
h.	Type Controls (Air, Steam, Electric)		
1.	When Installed & Condition		_
j.	Heater Temperature Setting		
k.	Average Water Maintained Temperature		
1.	Temperature Differential (j) - (k)		
m.	Is Hot Water Supply Adequate:		
n. O.	Insulation Thickness Insulation Material	Туре	

A A A A A A A A A A A A A A A A A A A	LOCATION FITZ BLOG. NO. 19D
3.5 CONTROL/MISCELLANEOUS PROCESS/SKETCHES	
CONTROL SYSTEM:	
CONTROLLERS: ELECTRIC PNEUMATIC OPERATION:	MANUAL TIME CLOCK
ELECTRONIC	CONTINUOUS EMCS
	DEMAND
BOILER	Me la la
MFG BARBER COLEMAN MODEL	LOCATION MECHANISM EM
CONDITION (GIVE DETAILED LIST OF PROBLEMS AS REQUIRED):	
0530 - 1900 7 DAY / WEEL	
MARTER CONTROLLER &	
2 Paget zont Contras	
were the contract of the contr	

8										T			T^-		7		
BLDG.	REMARKS	(LIGHTS/SWITCH)															12 = Storage room 13 = Retail store (Px, commissary) Other (describe on audit form) E = Exterior
	WINDOW																1
\mathcal{M}	4.100	~			-	 	-	-	-			ļ	ļ	┨			Offices-drafting Laundry Toilets Sleeping quarters Supply rooms Repair shops
冷	FINISH E E E					1	 	 	 	 	-	 	-	-		de:	Offices-draft Laundry Toilets Sleeping quar Supply rooms Repair shops
17													†	1		Tasks Code:	dry dry sits
NO.	ORS LA L	-			 	ļ	ļ]		aske	Offices Laundry Toilets Sleeping Supply r
LOCATION	COLORS		\dashv				 		-	-	 	ļ	<u> </u>	4		,	*****
2			\dashv		 	1-	 	-	 		+		-	-			9.0 B C E
	CEILING HEIGHT	E															al eeping
	MEASURED ILLUMI- CEILING NATION HEIGHT	(FC)													. O N		= Corridors 6 = 0 = Kitchens 7 = 1.6 = Dining 8 = TC = Offices-general 9 = 5.1 = Offices-bookkeeping 10 = 5.6 (ledgers only) 11 = Re
	WATTS PER SQ.FT.	(W/FT ²)			<u> </u> 										LEGE		1 = Corri 2 = Kitch 3 = Dini 4 = Offic 5 = Offic (ledg
	FLOOR AREA SERVED	1													9 2	į	
	LIGHTING FLOOR ENERGY SERVED	(KWH/YR) (FT ²)													LIGHTING	Code:	If there are windows, indicate: Curtains = C Shades = S No Shading = NS
	DAYS/ YEAR ON															Window Code:	there are wind indicate: Curtains = C Shades = S No Shading = NS
	HOURS/ DAY ON															!	4
	TOTAL WATTS															es:	nt = I nt = F or = SV or = MV de = MH
[NUMBER OF FIXTURES	-	-	٦	٦	۲,).	~	۲	2	~)	. 71		7	Lamp Types:	Incandescent = Fluorescent = Sodium Vapor = Mercury Vapor = Metal Hallde = OtherDescribe
-12/2	LAMPS PER F1 XTURE AND WATTS/	FIXTURE	12,00	3/2	1/2/	1 60	2,5	7,50	1/2	100	13-	1/2	OFFE		54/0	15	S So Mer
الما	LAMP TYPE AND WATTS	1		1	Ú.	17	(1)	1)_	2	14	7	江	14			- ::	in a a a i
V	FIXTURE TYPE	2	- \	2	2	9	2	2	2	K	Y	2	6	TOTAL BUILDING LIGHTING ENERGY	7 7	Fixture Types:	
LIGHTING	TASK	4		44	64		64	64	سے		8	8	(E~5	TOTAL Light	ر ممراد در ال		Recessed Suspended Ventilated Pole Mounted OtherDesci
<u>.</u>		77	, ,	7		- , '	<u>_</u>		'	1	<u></u>	-/	1		i - 4)	LIGHTING 4.2.1

LOCAT	ION	Fitz
BLDG.	NO.	190

. O LIGHTIN	10 (.	\				
1.2 <u>LIGHTIN</u>	<u>G (continued</u>)				
1.2.2 <u>Exterio</u>	r Lighting					
ACTUAL NO. OF FIXTURES	TYPE OF FIXTURE	NO. OF FIXTURES IN USE	WATTS/ FIXTURE	TOTAL WATTS	CONTROL TYPE*	<u>REMARKS</u>
		-	•		-	
· · · · · · · · · · · · · · · · · · ·	·	•				
*:						
		•				
* M = Manual	T = Timer	P = Photo	ocell	Enter so	thedule und	ler Remarks.
CALCULATIONS		·				

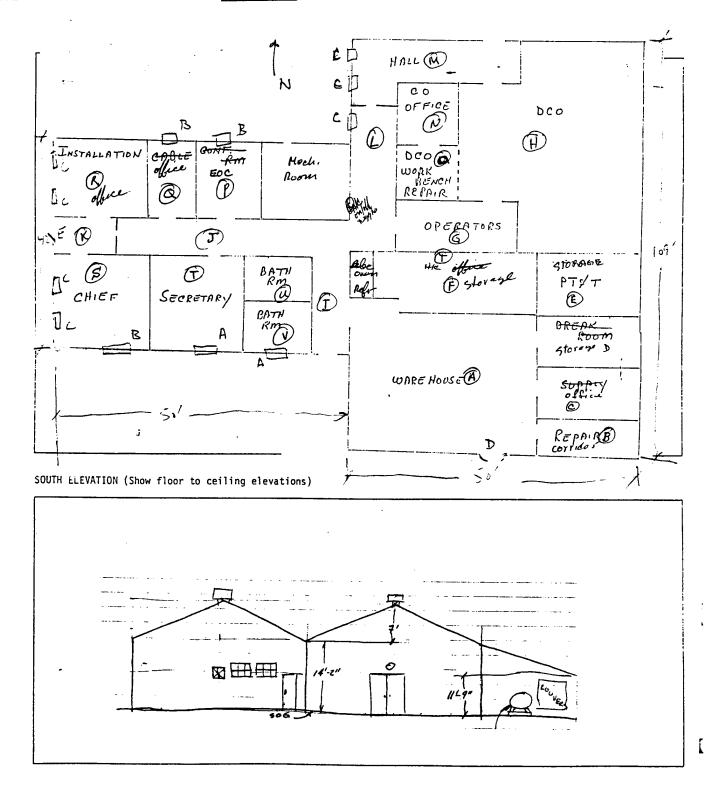
WATTS OF INTERIOR LIGHTING
Actual at time of survey
Total installed
WATTS OF EXTERIOR LIGHTING
Actual on at time of survey
Total installed

LOCATI	ON	Fitz
BLDG.	NO.	190

3.2 RECEPTACLES IN USE PERCENT 3.3 SMALL APPLIANCES IN USE (ENTER COUNT) Water Cooler Vending Machine Space Heater Coffee Pot TV XEROX	
3.3 SMALL APPLIANCES IN USE (ENTER COUNT) Water Cooler Vending Machine Space Heater Coffee Pot TV XEROX	
Water Cooler Vending Machine Space Heater Coffee Pot TV XEROX	
Water Cooler Vending Machine Space Heater Coffee Pot TV XEROX	
Water Cooler Vending Machine Space Heater Coffee Pot TV XEROX	
Water Cooler Vending Machine Space Heater Coffee Pot TV XEROX	
Water Cooler Vending Machine Space Heater Coffee Pot TV XEROX	
Water Cooler Vending Machine Space Heater Coffee Pot TV XEROX	
Water Cooler Vending Machine Space Heater Coffee Pot TV XEROX	
Vending Machine Space Heater Coffee Pot TV XEROX	
Space Heater Coffee Pot TV XEROX	
Coffee Pot Z TV (XEROX	
TV (
XEROX	
0ther: Cenu	
Michough .	

4.3 POWER USAGE SURVEY

ARCHITECT ATION ING NUMBER MATION SOURCE AL BUILDING I UILDING AGE:	DATA	D_	YEARS													
SIMILAR BUILD	ING NOS:					-										
BUILDING OCCU		and) dur		INUOUS (NO.	OF 00	CUPAN	τς	20	>
M T W T F S S O O MISCELLANEOU	2 UNUK	4 ENT:	6	8	10	1:		14	16 A ~		118	20			24	
ADDITIONAL			AL LOADS		ATUS	3	1001	cW Erra'L	, 24 M	0/4	40 k)	J DR\$0	1800	RPM		



BUILDING FLOOR PLAN AND ELEVATION SKETCHES

INFILTRATION	_	LENGTH *** ***	722	7 41	22												DOW TYPES	4 - CASEMENT 5 - LOUVERED 6 - FIXED GLASS
	W/S FIT	0N 1.0C	7,00	1.205 P	NV61												MIM	- DOUBLE HUNG - SINGLE HUNG I - SLIDING
_	3	YES														;	•	33
1	7 P.	FRAME**	8	3	3	3	3										<u>ا</u> : اح	EEN FY
		TRPL													U-VALUE		****VISIBILITY:	E - AWNING F - SOLAR SCREEN G - OVERHANG OTHER - SPECIFY
GL AZ I NG *		DBL													خ	: -	1/****	E - AWF F - SOL G - OVE DTHER -
		TYPE	_	_	_											LEGEND		
	S12E	L×H	72,40	3x41"	,8429	18×15	32 481									ات	DING:	- SOLAR FILM - VEN BLIND - STORM WINDOW - DRAPES
		ž			~										TOTAL AREA		***SHADING:	SOLAR VEN B STORM DRAPE
	\vdash	3			7				-		-	<u> </u>			TOTAL		ı	48UD
_	L	S SW	2							-					1			BREAK
NUMBER	NPOSU	SE										-	-	<u> </u>			Ψ. :	
	F	w			iv							1		-			**FRAME:	WOOD METAL METAL/THERMAL
		밀																- WOOD - METAL - METAL
		z		2														3∑⊢
	2	177	9	e	e	Jour J	Doug					·						ORB I NG
	D00R/	DESIG.	A	8	S	2	ш										*GLAZING:	1 - ORDINARY 2 - 1," PLATE 3 - HEAT ABSORBING 4 - TINTED

BUILDING ENVELOPE			LOCATION HLDG. NO.
CONSTRUCTION			— —
		ROOF (INCL. CLG.)	TYPE: F P
WALL	COLOR: D M L	ROUF (INCE. CEG.)	COLOR: D M X
MATERIAL T	THICKNESS (IN.) R VALUE	MATERIAL	THICKNESS (IN.) R VALUE
OUTSIDE FILM		OUTSIDE FILM	
COMOUNTED		CONTINUED	
Mumina		Aumoum	
2-11		AIR SPACE	
M9 SPACE		12-11	
Gyp BILD		Accessor The	
INSIDE FILM		INSIDE FILM	
THISTOE FIEN			
	TOTAL		TOTAL
			,
FLOOR		DOOR	
	THICKNESS (IN.) R VALUE	DOOR MATERIAL	THICKNESS (IN.) R VALVE
	THICKNESS (IN.) R VALUE		THICKNESS (IN.) R VALVE
MATERIAL	THICKNESS (IN.) R VALUE	MATERIAL	THICKNESS (IN.) R VALUE
MATERIAL	THICKNESS (IN.) R VALUE	MATERIAL	THICKNESS (IN.) R VALUE
MATERIAL		MATERIAL	
MATERIAL		MATERIAL	
MATERIAL	THICKNESS (IN.) R VALUE	MATERIAL	THICKNESS (IN.) R VALVE
MATERIAL		MATERIAL	
MATERIAL		MATERIAL	
MATERIAL OUTSIDE FILM		MATERIAL OUTSIDE FILM	
MATERIAL OUTSIDE FILM	TOTAL	MATERIAL OUTSIDE FILM	ji t

LOCATION	Fitz
BLDG. iiO	197

Heat Source: Furnace		PIGD HEAT/	LOOL UNIT			
Capacity:		, , , , , , , , , , , , , , , , , , ,			· · · · · · · · · · · · · · · · · · ·	
Manufacturer: Manual Time Clock Demand EMCS Oo2 Operating Temperature: "F Operating Pressure: Puel: Nat. Gas Only Nat. Gas/ Draft: Forced Induced Burner: Mfg. Nodel No. Netering Equipment: Yes Operating Schedule: Weekdays: From Nodel No. Netering Equipment: Yes Operating Schedule: Weekdays: From Non/Day, to Non/Day, to Non/Day Non/Day, to Non/Day Non/Day, to Non/Day Non/Day, to Non/Day File Gas Temperature: "F Receiver Tank Conditions: PSIG If supplied Steam or Hot Water: Steam Pressure PSI Hat Noter Supply Temp. FT Hot Water Return Temp. Non Operating Season: From None Temp. None Temp. None Temp. None Season: From None Temp. None Season: From None None Season: None Se			Pump S	External Boiler Plant	later Cher	•
Boiler/Furnace Control: Manual Time Clock Demand EMCS O2	Capacity:	<u>M</u> Btu/Hr ^{OMT} or	Boiler HP c	prLbs/Hr	Steam or	GPM HOT W
Operating Temperature: Fuel: Nat. Gas Only Nat. Gas/ Draft: Forced Induced Burner: Mfg. Model No. Metering Equipment: Yes Operating Schedule: Weekdays: From Operating Schedule: Weekdays & Holidays: From Operating Season: From Mon/Day, to Mon/	Manufacturer:l	ENNOX		Model No.:		/
Fuel: Nat. Gas Only Nat. Gas/ Draft: Forced Induced Burner: Mfg. Model No. Metering Equipment: Yes Operating Schedule: Weekdays: From To Hr/Day Operating Season: From Mon/Day, to Hr/Day Operating Season: From Mon/Day, to PSIG If supplied Steam Steam Pressure PSI HOT Nater Supply Temp. F Hot Hater Return Temp. Insulation: (1) Boiler (2) Other (Specify) Poor Area FT2 Poor Area None Temp. F None Temp. Pump: No. of Pumps V/PH/FLA / Model HP RPM HW Pump Starter: HOA Reset P/B S/S Push Button Interlocked with Boiler? Yes FOR LARGE BOILERS (over 6,000 MBTUH): Combustion Control Mfg. Model HP Boiler/Furnace Condition: Describe Model HP MODE MODE MODE MODE MODE MODE MODE MODE	Boiler/Furnace Cont	rol: Manual	Time Cloc	ck Demand	EMCS	02
Burner: Mfg Model No Metering Equipment: Yes Operating Schedule: Weekdays: From To Hr/Day	Operating Temperatu	re:		°F Operating Pressur	e:	
Burner: Mfg Model No Metering Equipment: Yes Operating Schedule: Weekdays:	Fuel: Nat. Gas	Only Nat. Gas/		Draft:	/	
Weekdays & Holidays: From	v				Metering Equipmen	nt: Yes
Weekdays & Holidays: From	Operating Schedule:	Weekdays:	From	To	Hr/Day	
Operating Season: FromMon/Day, toMon/Day, to	of an along company	·				
Flue Gas Temperature:						
Pump: No. of Pumps		iler	المراتي	(2) Other (Spe	cify)	
Pump: No. of Pumps	•	or Area	68/			
Pump: No. of Pumps	· -	ne: Temp. 100				
MfgModelHPRPM		a de la companya della companya della companya de la companya dell				
HW Pump Starter: HOA Reset P/B S/S Push Button Interlocked with Boiler? Yes FOR LARGE BOILERS (over 6,000 MBTUH): Combustion Control Mfg. Model Condensate Pumps/Hot Water Pumps: Mfg. Model HP Boiler/Furnace Condition: Describe						
FOR LARGE BOILERS (over 6,000 MBTUH): Combustion Control MfgModel	Mfg		Mode1	D D 1	HP	KPM
Condensate Pumps/Hot Water Pumps: MfgModelHP Boiler/Furnace Condition: Describe	HW Pump Star	ter:HUA Kes	et P/B [5/5	Push Button Inter	locked with Boile	iri Lites L
Boiler/Furnace Condition: Describe	FOR LARGE BOILERS (over 6,000 MBTUH): Co	ombustion Control	Mfg	Mode 1	
Boiler/Furnace Condition:	Condensate Pumps/Hr	nt Alater Pumps: Mfg		Model	•	HP
Describe	Condensate 1 diiip3/11c	- regrades rumps. rigi_		10001		······································
	. ,					
Occupant Discomfort (Evaluate):	Boiler/Furnace Cond	lition:				
Occupant Discomfort (Evaluate):						
	Describe					

LOCATION	FHU
BLDG. NO.	197

3.2 COOLING EQUIPMENT

PACKAGO HEAT/GOL UNIT

· ·		•				
COMPRESSOR(S)/CHILLER	,		COOLING TOMER		1	
Manufacturer	LENNOX		Gravity			
Model No.			Mech. Draft			—
Size			Manufacturer	- //		
Refrigerant	R-22		Model No.	/		
Motor HP (if available	·)		Type of Fan	/		
Motor Voltage	2084/3/		Fan RPM			
Motor FLA	46.7		Fan Motor HP			
Measured Amps			Fan Motor Voltag	je <u> </u>		
			Fan Notor FLA			
CONDENSER/CONDENSING UN	11		Measured Amps			
Water Cooled			CHILLED WATER PUM	ps (If more tha	n one, how many	
Air Cooled			<i>/</i> ——	g normal operati		
Evaporative		/	Manufacturer			
Manufacturer			Model No.			
Model No.			Capacity Gals.			
Size	COND	2	Head, Ft.			
Type of Fan	Ze 3/4HP	55/	Motor HP	<u></u>		
Fan Motor HP		3/	Motor Voltage			
Fan Motor Voltage	2081		Motor FLA			
Fan Motor FLA			Measured Amps			
Measured Amps	-12/		•			
CONDENSER WATER PUMPS	Rivore than or	ne, how many opera	ite on normal operatio	on:)		
Manufacturer	<u> </u>					
Model No.	/		· · · · · · · · · · · · · · · · · · ·			
Capacity, Gals.	/					
Head, Ft.						
Motor HP				•		
- Motor Voltage						
Motor FLA						
Measured Amps						
REMARKS:						
reimans.						
/						
/						

3.3 AIR HANDLING EQUIPMENT

FANS		
Type		
Unit/Zone	# OFFICES	# ELECTRANICS AREA# #
Manufacturer	LIZUNOX	NO NAMEPLATÉ
Model No.	02331353 350	
Type	PARKAUFD	
RPM of Fan	26d MBHONIPUT	
Motor HP	_5	
Motor Volts	226V/33	
Motor FLA	14	
Measured Amps		2081/34/3.4A
CFM (from Plans)		
Notes		Licertic Dact HTR
		2201/601/13\$/43 FLA
OILS		
Indicate capacities	where found:	
	COOLING	HUMIDIFICATION
	/	
	DX	ELEC
		ELECSTEAM
	H ₂ OOTHER	ELECSTEAM
	H ₂ 0 OTHER HEATING	STEAM
	H ₂ O OTHER HEATING GAS	STEAM H ₂ O OTHER
	H ₂ 0 OTHER HEATING	STEAM
	H ₂ 0 OTHER HEATING GAS H ₂ 0 ELEC	STEAM
	H ₂ 0 OTHER HEATING GAS H ₂ 0 ELEC	STEAM
LTERS	H ₂ 0 OTHER HEATING GAS H ₂ 0 ELEC	STEAM
LTERS - Type	H ₂ 0 OTHER HEATING GAS H ₂ 0 ELEC	STEAM
LTERS Type Condition	H ₂ 0 OTHER HEATING GAS H ₂ 0 ELEC	STEAM

LOCATION THE BLOG. NO. 192

<u>D0</u>	MESTIC HOT WATER HEATING SYSTEM / EQUIPME	NT BLDG. NO
a.	Is System Supported from (check one):	Central Plant One System per Building Several Small Systems per Building
b.	Domestic Hot Water Temperatures provided	:
c.	Average Pipe Sizes of All HW Piping and	
d.	Is Piping System Insulated and Condition	NO IUSUUATION
e.		
		3) Is aquastat provided? DA
	2) Circulator capacity	→ Aquastat temperature setting → A
10 <u>0</u>	MESTIC HOT WATER HEATING EQUIPMENT (If mo	re than one location, list each one)
a.	Location	
b.	Areas Served	-Acc
c.	Manufacturer and Model	SEARS 183.32 4611
d.	Energy (Oil, Gas, Electric, Coal, Etc.)	Brictuc
e.	Type Heaters & Quantities:	
	1) Storage	
	2) Instantaneous	
	3) Semi-Instantaneous	
f.	Heater Size and Storage Capacity	SITKW
g.	Heating Capacity	529A.
h.	Type Controls (Air, Steam, Electric)	Elicome
i.	When Installed & Condition	WED
j.	Heater Temperature Setting	
k.	Average Water Maintained Temperature	
1.	Temperature Differential (j) - (k)	
m.	Is Hot Water Supply Adequate:	
n.	Insulation Thickness Insulation Material	Туре

3.4

8 loups FG6T12 Car1ES Phillips Enorgy Sawot Padants - 18" from carl.

FIXTURE LAMP LAMPS WIMBER TOTAL HOURS/ DAYS/ LIGHTING FLOOR MATTS ILLUMI- AND AND AND AND AND AND AND AND AND AND	LOCATION TITC BLDG. 1977	COLORS FINISH COLORS FINISH COLORS FINISH COLORS FINISH CODE CODE COLORS COLOR	L & &	18'-0" [LLD FFS NA 4 howe / Loup	o" " VA Zhave (Swaged	or " has 2 lings on exercises	12-0" " " DB 2 hove 1 lung	ο" '" " '' '' '' '	0" WA	W	o" - 10 BB 4 haly was not		٠	,,,		
FIXTURE LAMP LAMPS NUMBER TOTAL HOURS/ DAYS/ TYPE TYPE FIXTURES MATTS ON ON AND WATTS WATTS/ FIXTURE FIXTURE AND WATTS/ FIXTURE AND WATTS/ FIXTURE AND AAD AAD AAD AAD AAD AAD AAD AAD AAD		WATTS PER SQ.FT.	(W/FT ²) (FC)							ł					·	() () () () () () () () () ()
FIXTURE LAMP LAMPS NUMBER TOTAL TYPE AND AND WATTS AND WATTS WATTS FEG. THE 3 LAMP FIXTURE FEG. THE 3 LAMP FIXTURE FEG. THE 3 LAMP FIXTURE FEG. THE 3 LAMP FIXTURE AND AND AND AND AND AND AND AND AND AND			(KWH/YR) (FT ²													:
FIXTURE LAMP LAMPS TYPE AND MATTS AND MATTS AND MATTS ANTTS AND MATTS AN		TOTAL WATTS														
TYPE TYPE TYPE TYPE TYPE TYPE TYPE TYPE		LAMPS PER FIXTURE AND	WATTS/ FIXTURE	w	4	4	4	ik	2			-/	-8	134 1		
	LIGHTING	ľ	MA	10 Indish.	-	4	2)	7)	. 2	4	>			5 7	TOTAL BUILDING LIGHTING ENERGY	

Incandescent = I If there are windows, Fluorescent = F indicate:
Sodium Vapor = SV Curtains = C Mercury Vapor = MV Shades = S Other-Describe

1 = Corridors 6 = Offices-drafting 12 = Storage room
2 = Kitchens 7 = Laundry 13 = Retail store
3 = Dining 8 = Toilets (Px, commissary)
4 = Offices-general 9 = Sleeping quarters Other (describe on audit form)
5 = Offices-bookkeeping 10 = Supply rooms (ledgers only)

Tasks Code:

LIGHTING 4.2.1

Recessed = R Suspended = S Ventilated = V Pole Mounted = PM Other--Describe

Fixture Types:

12 = Storage room
13 = Retail store
(Px, commissary)
Other (describe on
audit form)
E = Exterior

1 = Corridors 6 = Offices-drafting 2 = Kitchens 7 = Laundry 3 = Dining 8 = Toilets 4 = Offices-general 9 = Sleeping quarters 5 = Offices-bookkeeping 10 = Supply rooms (ledgers only) 11 = Repair shops

If there are windows,

indicate:

Window Code:

Lamp Types:

Fixture Types:

Curtains = C Shades = S No Shading = NS

Incandescent = I Fluorescent = F Sodium Vapor = SV Mercury Vapor = MV Metal Halide = NH Other--Describe

Tasks Code:

24					T -		 	<u> </u>						
BLDG. [6	REMARKS	(LIGHTS/SWITCH)		Now Extrs		now txtrs	1 out	tana)	Loux					
LOCATION	MEASURED C C C C C NITSH ILLUMI CEILING E N F E N F NINDOW NATION HEIGHT L C C C C C C C C C C C C C C C C C C	(FC) (FT) G G G	12/0" LLD F FS	5 7'4" 4 G	45 1210" " " 10A	35 9-0" -	40 5	45	45	2	AN	- - NS		LEGEND:
	LIGHTING FLOOR WATTS ENERGY SERVED SQ.FT.	(KWH/YR) (FT ²) (W/FT ²)												LIGHTING LEO
	HOURS/ DAYS/ DAY YEAR ON ON							•						
	TOTAL WATTS								·					
	NUMBER OF FIXTURES		- (e 2	_	4	4	4	4	3	4	K.		
	LAMPS PER FIXTURE F	FIXTURE	2/18	le	2	.8	y	1	y	7	1/32	1/8		
	RE LAMP TYPE AND	WATT F96	- FR =	= Tw	21-12 21-12	F.34	74	πx	F34	F 34	Γ_{50}	75	DING	
ଥା	FIXTURE	d	2 2		٥	s	n	S	S	S	S	S	TOTAL BUILDING LIGHTING ENERGY	
LIGHTING	TASK CODE	(7		(S)	0	04	400	Ø 4	2	D 4	$\mathfrak{G}_{\mathcal{S}}$	B	2:3	<u> </u>
		1	1	1	1	/	1	/	(m)	/	1	/		

LIGHTING

4.2.1

Recessed = R Suspended = S Ventilated = V Pole Mounted = PM Other--Describe

LOCATION

1

LIGHTING

	REMARKS	(LIGHTS/SWITCH)											
		=				-	_	_			-	-	
	WINDOW												
FINISH	M - 100				_						_		
E	ОШНДЕ	· Z 5				 	-				_		
COLORS	T NO.		_								\Box		
2	ошычь	- Z U				 	-		_	 	-		
	CEILING HEIGHT	E											1
	MEASURED ILLUMI- CEILING NATION HEIGHT	(FC)										_ :	2 N N N N N N N N N N N N N N N N N N N
	WATTS PER SQ.FT.	(W/FT ²)											<u> </u>
	LOOR AREA SERVED									 _			1 N G
	LIGHTING F ENERGY	(KWH/YR) (FT ²)											L 1 G H T
	DAYS/ YEAR ON												
	HOURS/ DAY ON												
	TOTAL												
	NUMBER OF	CIVIONE	7	1	7								
	LAMPS NUMBER PER OF	AND AND WATTS/		701	3								
	LAMP	AND	F96 T12	100	T 60		<u> </u>					DING	
	FIXTURE		d	9	3		'					TOTAL BUILDING LIGHTING ENERGY	
	TASK		1050 1005		Basers							12.7	

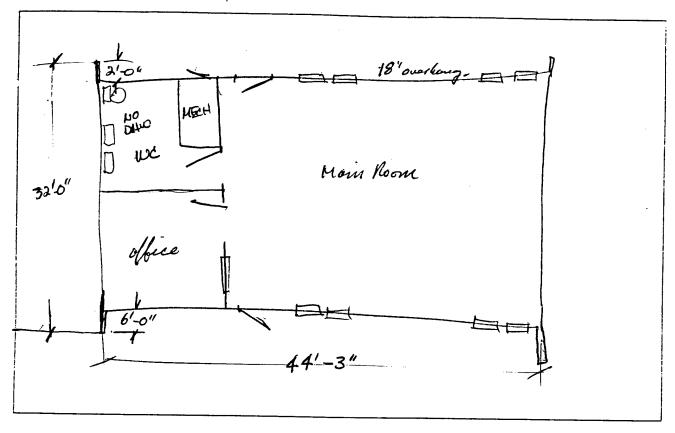
12 = Storage room 13 = Retail store (Px, commissary) ; Other (describe on audit form) E = Exterior If there are windows, indicate: Curtains = C Shades = S No Shading = NS Window Code: Incandescent = I Fluorescent = F Sodium Vapor = SV Mercury Vapor = MV Metal Halide = MH Other--Describe Lamp Types: Recessed = R Suspended = S Ventilated = V Pole Mounted = PM Other--Describe Fixture Types:

> LIGHTING 4.2.1

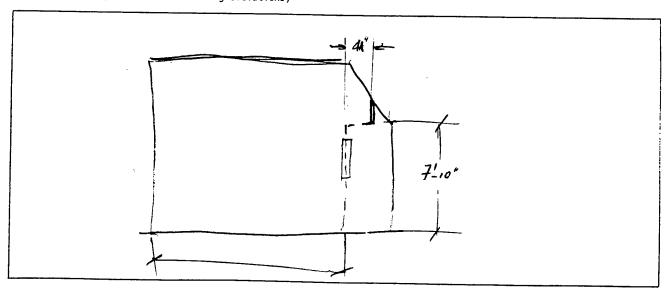
DATE SOURCE OF PUNCTION/USE LAUNCHY Dry Cleaning. DORNATION SOURCE (DAG. NO./PERSON) BERAL BUILDING DATA BUILDING AGE: YEARS Daw DUPLICATE BUILDING NOS: TOTAL: SIMILAR BUILDING OCCUPANCY: CONTINUOUS (24 HRS/DAY) NO. OF OCCUPANTS Indicate (number and) duration of occupants each day M T T M T M T M T ADDITIONAL COMMENTS, CRITICAL LOADS: CRANL SPACE: VENTILATED SURVED SURVED SOURCE EXHAUSTED SOURCE SURVEYED BY BAHAUSTED SURVEYED FUNCTION/USE Launchy Dry Cleaning. BY TOTAL: NO. OF OCCUPANTS NO. OF OCCUPANTS NO. OF OCCUPANTS NO. OF OCCUPANTS NO. OF OCCUPANTS S ADDITIONAL COMMENTS, CRITICAL LOADS: CRANL SPACE: VENTILATED SURVEYED SOURCE EXHAUSTED SOURCE SURVEYED BY FUNCTION/USE Launchy Dry Cleaning. NO. OF OCCUPANTS NO. OF OCCUPANTS NO. OF OCCUPANTS NO. OF OCCUPANTS NO. OF OCCUPANTS T ADDITIONAL COMMENTS, CRITICAL LOADS: CRANL SPACE: VENTILATED SINHAUSTED SOURCE EXHAUSTED SOURCE SURVEYED BY FUNCTION/USE Launchy Dry Cleaning. NO. OF OCCUPANTS NO. OF OCCUPANTS NO. OF OCCUPANTS NO. OF OCCUPANTS NO. OF OCCUPANTS S CRANL SPACE: VENTILATED SURVEYED EXHAUSTED SOURCE SURVEYED BY FUNCTION/USE LAUNCHY DRY CLEANING NO. OF OCCUPANTS NO. OF OCCUPANTS NO. OF OCCUPANTS NO. OF OCCUPANTS NO. OF OCCUPANTS NO. OF OCCUPANTS NO. OF OCCUPANTS NO. OF OCCUPANTS S ADDITIONAL COMMENTS, CRITICAL LOADS: CRANL SPACE: VENTILATED SURVEYED EXHAUSTED SOURCE SURVEYED SURVEYED SOURCE S	CATION	<u>-HL</u>	SURVEYED BY PJB/B	1H DATE 5 OCT 92
BUILDING AGE:	LDING NUMBER	198	FUNCTION/USE <u>Lacudn</u>	Dry Cleaning.
BUILDING AGE:				
BUILDING AGE:				2505 -
DUPLICATE BUILDING NOS: TOTAL: SIMILAR BUILDING NOS: 191 @ archibative also 209 TOTAL: BUILDING OCCUPANCY: CONTINUOUS (24 HRS/DAY) NO. OF OCCUPANTS Indicate (number and) duration of occupants each day M T T S S S S S S S S S S S S S S S S	ERAL BUILDING DA	<u>TA</u>		00 Mescele
SIMILAR BUILDING NOS: 191 @archibohise, elso 209 TOTAL: BUILDING OCCUPANCY: CONTINUOUS (24 HRS/DAY) NO. OF OCCUPANTS Indicate (number and) duration of occupants each day M T T F S S S D 2 4 5 8 10 12 14 16 18 20 22 24 MISCELLANEOUS EQUIPMENT: TV, Stereo Bathwoom exh fm 1/15 748 ADDITIONAL COMMENTS, CRITICAL LOADS:	BUILDING AGE: _	YE <i>A</i>	irs New	
SIMILAR BUILDING NOS: 191 @archilochine also 209 TOTAL: BUILDING OCCUPANCY: CONTINUOUS (24 HRS/DAY) NO. OF OCCUPANTS Indicate (number and) duration of occupants each day M T T S S S D 2 4 6 8 10 12 14 16 18 20 22 24 MISCELLANEOUS EQUIPMENT: TV, Stere o Bathwoom exh fon 1/15 A8	DUPLICATE BUILD	ING NOS:		
BUILDING OCCUPANCY: CONTINUOUS (24 HRS/DAY) NO. OF OCCUPANTS Indicate (number and) duration of occupants each day M T T S S S S S S S S S S S S S S S S				TOTAL:
BUILDING OCCUPANCY: CONTINUOUS (24 HRS/DAY) NO. OF OCCUPANTS Indicate (number and) duration of occupants each day M T T S S S S S S S S S S S S S S S S	SIMILAR BUILDIN	g NOS: 191@	archibative als	0 209
Indicate (number and) duration of occupants each day M T T S S S S D Z A B S B A H A D D I T S B A H A D D I T S B A H A D D I T S B A H A D D I T S B A H A D D I T S B A H A D D I T S B A B A D I T S B A B A D I T S B A B A D A D B A B A D A D B A B A D A D				TOTAL:
Indicate (number and) duration of occupants each day M T T S S S D 2 4 6 8 10 12 14 16 18 20 22 24 MISCELLANEOUS EQUIPMENT: TV, Stere D Bathwoom exh fon 1/15 AS	BUILDING OCCUPA	NCY: CO	NTINUOUS (24 HRS/DAY)	NO. OF OCCUPANTS
MISCELLANEOUS EQUIPMENT: TV, Steres Battureon axh fon 1/15 A8 ADDITIONAL COMMENTS, CRITICAL LOADS:				· · · · · · · · · · · · · · · · · · ·
MISCELLANEOUS EQUIPMENT: TV, Steres Buttueom axh fon 1/15 A8 ADDITIONAL COMMENTS, CRITICAL LOADS:	 	- - - 		
MISCELLANEOUS EQUIPMENT: TV, Steres Bathwoom exh fon 1/15 AP ADDITIONAL COMMENTS, CRITICAL LOADS:			1 1 1 1 2 2	
MISCELLANEOUS EQUIPMENT: TV, Steres Buttureon exh fon 1/15 AP ADDITIONAL COMMENTS, CRITICAL LOADS:				
MISCELLANEOUS EQUIPMENT: TV, Steres Buttiveen exh fon 1/15 AP ADDITIONAL COMMENTS, CRITICAL LOADS:	 			
MISCELLANEOUS EQUIPMENT: TV, Steres Bathwoom exh fon 1/15 AP ADDITIONAL COMMENTS, CRITICAL LOADS:				
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ADDITIONAL COMMENTS, CRITICAL LOADS:	MICCELL ANEQUE E	OUT DMENT.	Stores	
ADDITIONAL COMMENTS, CRITICAL LOADS:	MISCELLANEOUS E	Bully	man axh lan 1/15	AS
		1,50,70,1	some surprise	
CRAWL SPACE: VENTILATED EXHAUSTED So 6	ADDITIONAL COMM	ENTS, CRITICAL LOADS	:	
CRAWL SPACE: VENTILATED EXHAUSTED 50 6				
CRAWL SPACE: VENTILATED EXHAUSTED 50 6				
CRAWL SPACE: VENTILATED EXHAUSTED 50 6				
COMBE SPACE. VEHITLATED LAMOSTED	CDAMI CDACE.	VENTIL ATER T	EXHAUSTED SOR	
	CRAWL SPACE:	t	Almoster	

2.2 BUILDING FLOOR PLAN AND ELEVATION SKETCHES

FLOOR PLAN (Show dimensions and zones)



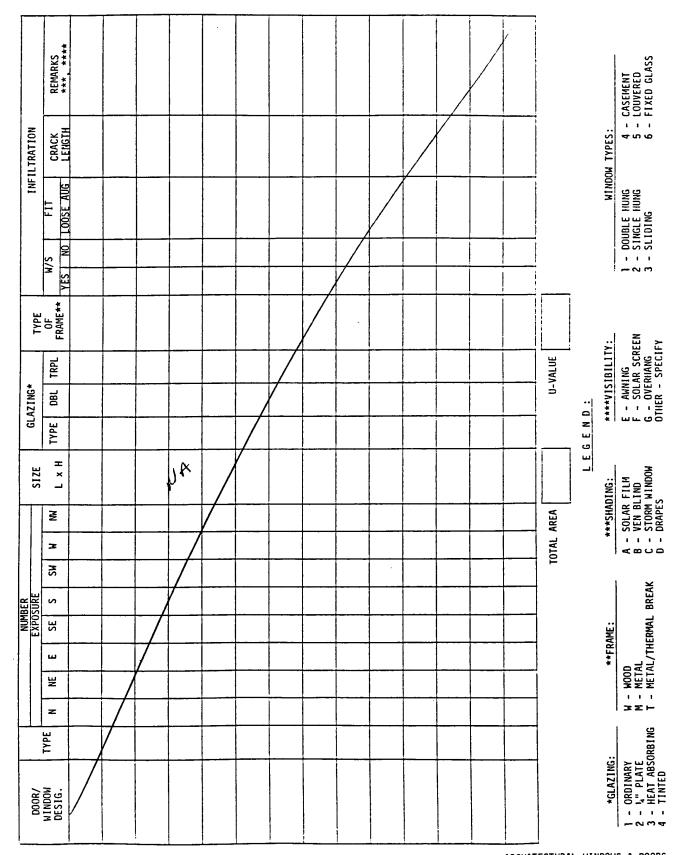
SOUTH ELEVATION (Show floor to ceiling elevations)



BUILDING FLOOR PLAN AND ELEVATION SKETCHES

LOCATION Fit BLDG. NO.

ARCHITECTURAL WINDOWS & DOORS



BUILDING ENVELOPE					
CONSTRUCTION			_	TYPE: F	Р
MALL	COLOR: D		ROOF (INCL. CLG.)	COLOR: D	
MATERIAL	THICKNESS (IN.)	R VALUE	MATERIAL	THICKNESS (IN.)	R VALUE
OUTSIDE FILM			OUTSIDE FILM		
Stucco	5/8"		PLY WOOD DEELL	1/2"	
ip "Plywood	1/2"		1		
F6 Insulation	n –	R-11	Buillaploof		
Stuces ip "Plywood FGIMulatio Gyp Board	5/8				
INSIDE FILM			INSIDE FILM	****	
	TOTAL			TOTAL	
	1				
I-FACTOR	AREA		U-FACTOR	AREA	
<u> </u>	AREA		U-FACTOR	AREA	
<u> </u>	AREA		U-FACTOR DOOR	AREA	
<u> </u>	THICKNESS (IN.)	R VALUE		THICKNESS (IN.)	R VALUE
LOOR SOS		R VALUE	DOOR		R VALUE
MATERIAL OUTSIDE FILM		R VALUE	DOOR MATERIAL OUTSIDE FILM	THICKNESS (IN.)	R VALUE
		R VALUE	DOOR		R VALUE
MATERIAL OUTSIDE FILM		R VALUE	DOOR MATERIAL OUTSIDE FILM	THICKNESS (IN.)	R VALUE
MATERIAL OUTSIDE FILM		R VALUE	DOOR MATERIAL OUTSIDE FILM	THICKNESS (IN.)	R VALUE
MATERIAL OUTSIDE FILM		R VALUE	DOOR MATERIAL OUTSIDE FILM	THICKNESS (IN.)	R VALUE
MATERIAL OUTSIDE FILM SOC		R VALUE	MATERIAL OUTSIDE FILM Cood Rysum	THICKNESS (IN.)	R VALUE
MATERIAL OUTSIDE FILM SOC	THICKNESS (IN.)	R VALUE	MATERIAL OUTSIDE FILM Cood Rysum	THICKNESS (IN.) 1/2" 1/48 4,	R VALUE

LOCATION	Fir
BLDG. NO	198

3.1 HEATING EQUIPMENT

Heat Source: Furnace Steam Hot Water Heat Roiler Boiler Pump			ner
Capacity: 80 MBy our Btu/Hr orBoile	r HP orL	bs/Hr Steam or	GPM Hot Water
Manufacturer: TAPPAN	Model No.:	UGILOOPI	3 戸
Manufacturer:		FRIAL H 78FIII	
Boiler/Furnace Control: Manual ZC	Hr.	Demand EM	
Operating Temperature: 100° 04707 AND	°F Operating F	ressure:	PSI
Fuel: Nat. Gas Only Nat. Gas/		Oraft: Forced	
₩ Other (Specify) PRPANE		Induced	
Burner: Mfg Model	No	Metering Equip	ment: Yes No
From	To	Hr/Da	у
Operating Schedule: Weekdays: From Weekdays & Holidays: From	To	Hr/Da	у
Weekdays & Horridays. From	м	on/Day, to	Mon/ Day
Operating Season: From			i
Flue Gas Temperature:°F Receive	r Tank Conditions:	PSIG	°F
If supplied Steam Steam Pressure PSI Hot or Hot Water:	/\		
Insulation: (1) Boiler	(2) Oth	er (Specify)	
Poor Area	FT ² Poo	or Area	FT
None Temp.	- No	neTemp	
None Temp.			
Pump: No. of Pumps	V/PH/F	A	
Mode	el	HP	RPM
HW Pump Starter: HOA Reset P/B	S/S Push Button	Interlocked with Bo	oiler? Yes
FOR LARGE BOILERS (over 6,000 MBTUH): Combustion	Control Mfg.	Mode1	
			
Condensate Pumps/Hot Water Pumps: Mfg	Model		HP
Boiler/Furnace Condition:			
Describe			
Describe 1/3 AP FAM N=TOR 8.5 AM	<u> </u>		
Occupant Discomfort (Evaluate):			
Occupant Discomore (Evaluate)			
113V 14 60HZ			

3.2 COOLING EQUIPMENT

COMPRESSOR(S)/CHILLER	COOLING TOWER
Manufacturer	Gravity
Model No.	Mech. Draft
Size	Manufacturer
Refrigerant	Model No.
Motor HP (if available)	Type of Fan
Motor Voltage	Fan RPM
Motor FLA	Fan Motor HP
Measured Amps	Fan Motor Voltage
CONDENSER/CONDENSING UNIT	Fan Motor FLA
,	Measured Amps
Water Cooled	
Air Cooled	CHILLED WATER PUMPS (If more than one, how many
Evaporative	operative during normal operation:)
Manufacturer	Manufacturer
Model No.	Model No
Size	Capacity Gals.
Type of Fan	Head, Ft.
Fan Motor HP	Motor HP
Fan Motor Voltage	Motor Voltage
Fan Motor FLA	Motor FLA
Measured Amps	Measured Amps
CONDENSER WATER PUMPS (If more than one, how many ope	erate on normal operation:)
Manufacturer	
Model No	
Capacity, Gals.	
Head, Ft.	
Motor HP	
Motor Voltage	
Motor FLA	
Measured Amps	
REMARKS:	

3.3 AIR HANDLING EQUIPMENT

FANS				C 41 7-		.\	
Туре	SWAT	R Cox	12	(41T)	(4FTx 4F	<u>()</u>	
Unit/Zone	#		#		#	<u> </u>	
Manufacturer					<u> </u>	·	
Model No.					_		
Туре				- · · · · · · · · · · · · · · · · · · ·			
RPM of Fan				- · · · · ·			
Motor HP				·			
Motor Volts							
Motor FLA							
Measured Amps				-			
CFM (from Plans)							
Notes				····			
	ALSO	7 x/A	ر کے۔ اور		FANS		
COILS	7 - 70		1 > - 1 (>	CALINOCITY			
Indicate capacities	where found:						
	COOLING				HUMIDIFICATION		
	DX	· · · · · · · · · · · · · · · · · · ·			ELEC		
	H ₂ 0			· · · · · · · · · · · · · · · · · · ·	STEAM		
	OTHER				Н ₂ 0		7744
	HEATING				OTHER		
					AUX/MISC OTHER		
				,			
FILTERS							
Туре							
Condition	·						
Manometer Reading 1/							

 $\underline{1}$ / Record only if manometer is installed on the unit.

AIR HANDLING EQUIPMENT

BLDG. NO. (9%)	LOCATION BLDG. NO.	F12
----------------	-----------------------	-----

DOi:	MESTIC HOT WATER HEATING SYSTEM / EQUIPMENT				BLDG. 40
a.	Is System Supported from (check one):	Central P	lant	One Syst	em per Building
		Several Sr	mall Systems	per Building	
ь.	Domestic Hot Water Temperatures provided:			se	· · · · · · · · · · · · · · · · · · ·
÷.	Average Pipe Sizes of All HW Piping and Appr	oximate Run of	Each:		· /
	-				
d.	Is Piping System Insulated and Condition:				
٠.	Is Hot Water Circulated?				
	1) Condition of circulator	3)	Is aquastat	provided?	
	2) Circulator capacity	4)	Aquastat te	emperature setti	ng
M00	MESTIC HOT WATER HEATING EQUIPMENT (If more the	han one locatio	p, list each	one)	
١.	Location				
	Areas Served				
	Energy (Oil, Gas, Electric, Coal, Etc.)	Y			
	Type Heaters & Quantities:		-		
	1) Storage				
	2) Instantaneous				
	3) Semi-Instantaneous				
	Heater Size and Storage Capacity				
	Heating Capacity				
	Type Controls (Air, Steam Electric)				
	When Installed & Condition				
	Heater Temperature Setting				
	Average Water Maintained Temperature				
	Temperature Differential (j) - (k)				
	Is Hot Water Supply Adequate:				
	Insulation Thickness Insulation Material		Туре		
•					

3.4

3.5 CONTROL/MISCELI	LANEOUS PROCESS/SKETC	H <u>ES</u>			LOCATION FITS BLOG. NO. (99
CONTROL SYSTEM CONTROLLERS		PNEUMATIC	OPERATION:	MANUAL CONTINUOUS DEMAND	TIME CLOCK EMCS
MFG		MODEL		LOCATION	
CONDITION (GIVE	E DETAILED LIST OF PRO	OBLEMS AS REQUIRED):	12 BY	TERM	- Klace Shitely
					
				-	

	4.2.1 Ir	nterio	· Li	ghting									 -	
BLDG. (78)	REMARKS		(LIGHTS/SWITCH)	on	an m	2500			·					
	WINDOW	CODE												
X	14.	4 → → 100 α	4								 			
	FIN C	z	_											
8	SR	L L A										 		
LOCATION	I로 ——	- J Z	. 5											
3	CEILING	HE I GHT	(FT)	.0-01				16						
	MEASURED CETLING	NATION	(FC)	5				in La	0 /					LEGEND:
	WATTS	SQ.FT.	(W/FT ²)					3401						L E G
	FLOOR ABEA	SERVED	(FT ²)					ny	/ /					1 1 N G
	LIGHTING FLOOR	ENERGY	(KWH/YR) (FT^2) (W/FT^2)					onc						LIGHTING
	DAYS/							3						
	HOURS/	S						2						İ
	TOTAL	WATTS						Lin						
	NUMBER	FIXTURE FIXTURES AND		01	3	4	(D,		;				
	LAMPS	FIXTURE AND	FIXTURE	4/02	7/3	3		X						
	LAMP	AND WATTS	2	34	城	过春		a					DING	
	FIXTURE	TYPE		S	Ś	5							TOTAL BUILDING LIGHTING ENERGY	
LIGHTING		3000		How	8	4							101	

LIGHTING Window Code:

If there are windows, indicate: Curtains = C Shades = S No Shading = NS Incandescent = I Fluorescent = F Sodium Vapor = SV Mercury Vapor = MV Metal Halide = MH Other--Describe Lamp Types:

12 = Storage room 13 = Retail store (PX, commissary) ; Other (describe on audit form) E = Exterior 1 = Corridors 6 = Offices-drafting 2 = Kitchens 7 = Laundry 3 = Dining 8 = Toilets 4 = Offices-general 9 = Sleeping quarters 5 = Offices-bookkeeping 10 = Supply rooms (ledgers only) 11 = Repair shops

Tasks Code:

LIGHTING

4.2.1

Recessed = R
Suspended = S
Ventilated = V
Pole Mounted = PM
Other--Describe

Fixture Types:

LOCAT	ION	FATE
BLDG.	NO.	1990

4.2.2 <u>Exteri</u>	NG (continued or Lighting					
ACTUAL NO. OF FIXTURES	TYPE OF FIXTURE	NO. OF FIXTURES IN USE	WATTS/ FIXTURE	TOTAL WATTS	CONTROL TYPE*	REMARKS
	_5		60		<u></u>	nous uses
					-	lights
·.			<u>-</u>			
			-			
* M = Manual	T = Timer	P = Photo	ocell	Enter so	hedule und	der Remarks.
		•				
CALCULATIONS		•				
WATTS O	F INTERIOR L	IGHTING				
Ac	tual at time	of survey_		· · ·	_	
To	tal installed	d			_	
Μ ΔΤΤς ΟΙ	F EXTERIOR L	T GHT I NG	,			•
Act	tual on at t	ime of surv	ey		-	
To	tal installed	đ	•			

LOCATION _	Fit
BLDG. NO.	198

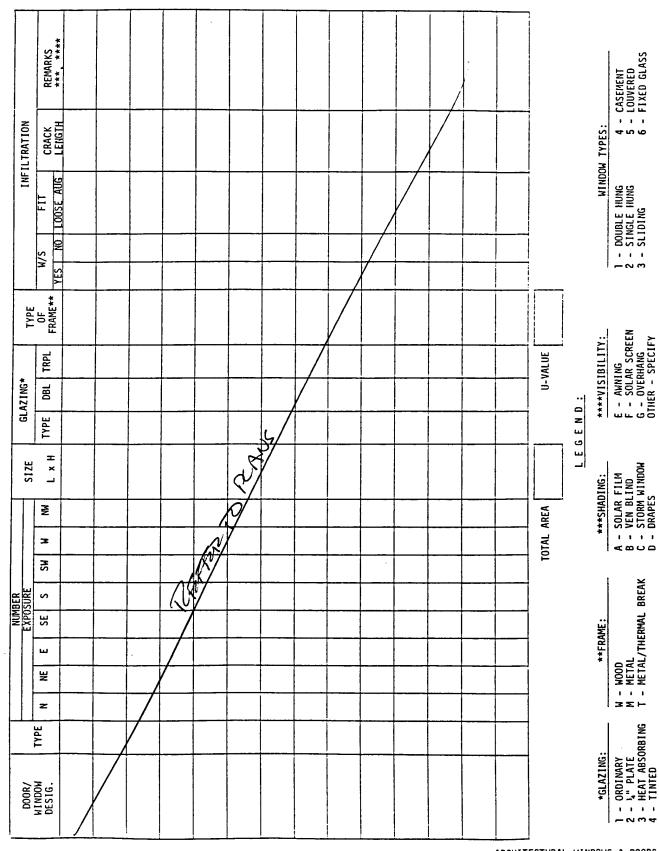
4.	3	POWER	USAGE	SURVEY

Describe:	
	en en en en en en en en en en en en en e
PERCE	ENT
,	
3 SMALL APPLIANCES IN USE (ENTER COUNT)	
Water Cooler	

CATION <i>F.E</i>	1	SURVEYED BY RCL BIH	RJB DATE 10079
DING NUMBER	206	FUNCTION/USE DINING	FACILITY
RMATION SOURCE (DWG. NO./PERSON)	uspection & Food	Sorvian Hunagar
			•
RAL BUILDING DA	<u> </u>		
BUILDING AGE: _	YEAF	es .	
DUPLICATE BUILD	ING NOS: NOVE		
			TOTAL:
SIMILAR BUILDIN	a NOS: NOXE	<u> </u>	
			TOTAL:
BUTI DING OCCUPA	NCY: COI	NTINUOUS (24 HRS/DAY)	NO. OF OCCUPANTS 100
		of occupants each day	•
.			
M		 	= 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
T H	 		
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F			
S			
S	1 1 1 1	8 10 12 14 10	6 18 20 22 24
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MISCELLANEOUS E	QUIPMENT:		
ADDITIONAL COMM	MENTS, CRITICAL LOADS	:	
	•		
	[-]		
CRAWL SPACE:	VENTILATED	EXHAUSTED	

2.2 BUILDING FLOOR PLAN AND ELEVATION SKETCHES

FLOOR PLAN (Show dimension	Refer to Building Plans	-
SOUTH ELEVATION (Show floo	or to ceiling elevations)	
t.	Refer to building Planes	



IALL	COLOR: D		ROOF (INCL. CLG.)		E: F _ R: D _	
MATERIAL	THICKNESS (IN.)	R VALUE	MATERIAL	THICKNESS		R VALUE
OUTSIDE FILM			OUTSIDE FILM			
51000	1/2"					
Stocco Rigid Insul Aur Space	i "					
Avr Space	1"					
CHU	8"					
INCIDE FILM			INSIDE FILM			
INSIDE FILM	TOTAL		INSIDE TEN		TOTAL	
	TOTAL					
			<u> </u>		T	
J-FACTOR FLOOR	AREA		U-FACTOR DOOR		AREA	
FLOOR 50G				THICKNESS		R VALUE
			DOOR	THICKNESS		R VALUE
FLOOR SOG			DOOR MATERIAL	THICKNESS		R VALUE
FLOOR SOG			DOOR MATERIAL	THICKNESS		R VALUE
FLOOR SOG			DOOR MATERIAL			R VALUE
FLOOR SOG			DOOR MATERIAL			R VALUE
FLOOR SOG			DOOR MATERIAL OUTSIDE FILM			R VALUE
FLOOR SOG	THICKNESS (IN.)	R VALUE	DOOR MATERIAL		(IN.)	R VALUE
FLOOR SOG MATERIAL OUTSIDE FILM		R VALUE	DOOR MATERIAL OUTSIDE FILM			R VALUE

LOCATION TITU BLDG. NO. 2005

3.1 HEATING EQUIPMENT

Heat Source:			
Furnace Steam Hot Water Heat Boiler Boiler Pump	Supplied Steam or Hot (External Boiler Plan	Water Other_ t)	
Capacity: 720 MBtu/Hr orBoile			
Manufacturer:	Model No.:	3500-0	Sa 46262
Boiler/Furnace Control: Manual	ime Clock W/ Demand	EMCS	0 ₂ Trim
Operating Temperature: 175	°F Operating Pressu	re:	PSI
Fuel: Nat. Gas Only Nat. Gas/			
Other (Specify)		Induced	
Burner: Mfg. FECONDMINE Model	No. 72 32P	Metering Equipment:	Yes No
Operating Schedule: Weekdays: From	То	Hr/Day	
, Weekdays & Holidays: From	То	Hr/Day	
70AT/WIFE Operating Season: From			
Flue Gas Temperature:°F Receiver	Tank Conditions:	PSIG	°F
If supplied Steam Steam Pressure PSI Hot or Hot Water:	Nater Supply Temp°	F Hot Water Return	Temp°F
Insulation: (1) Boiler	(2) Other (Sp.	ecify)	
Poor Area $8'-3'$	FT ² Poor	Area	FT ²
None Temp.	°F None	Temp.	°F
Pump: No. of Pumps (V/PH/FLA	/	_/
MfgModel		HP	RPM
HW Pump Starter: HOA Reset P/B			
FOR LARGE BOILERS (over 6,000 MBTUH): Combustion C	Control Mfg	Mode1	
Condensate Pumps/Hot Water Pumps: Mfg	Mode1		HP
Boiler/Furnace Condition:			
Describe			
Occupant Discomfort (Evaluate):			

3.2 COOLING EQUIPMENT

COMPRESSOR(S)/CHILLER	COOLING TOWER
Manufacturer	Gravity
Model No	Mech. Draft
Size	Manufacturer
Refrigerant	Model No.
Motor HP (if available)	Type of Fan
Motor Voltage	Fan RPM
Motor FLA	Fan Motor HP
Measured Amps	Fan Motor Voltage
CONSTRUCTO (CONSTRUCTOR UNIT	Fan Motor FLA
CONDENSER/CONDENSING UNIT	Measured Amps
Water Cooled	CULTURE WATER RINGS (15 years than one how many
Air Cooled	OPERATION OF CHILD WATER PUMPS (If more than one, how many operative during normal operation:)
Evaporative	
Manufacturer	Manufacturer
Model No.	Model No.
Size	Capacity Gals
Type of Fan	Motor HP
Fan Motor HP	Motor Voltage
Fan Motor Voltage	Motor FLA
Fan Motor FLA	Measured Amps
Measured Amps	nedatified Ampa
CONDENSER WATER PUMPS (If more than one, how many operate	on normal operation:)
Manufacturer	
Model No.	
Capacity, Gals.	
Head, Ft	
Motor HP	
Motor Voltage	
Motor FLA	
Measured Apps	
DEMADAS.	
REMARKS:	
	

3.3 AIR HANDLING EQUIPMENT

FANS	
Type	
Unit/Zone # <u>#</u>	<u> </u>
Manufacturer	
Model No.	
Туре	
RPM of Fan	
Motor HP	
Motor Volts	
Motor FLA	
Measured Amps	
CFM (from Plans)	
Notes	
\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	
COILS Indicate capacities where found: COOLING DX	
Indicate capacities where found:	
COOLING	HUMIDIFICATION
DX	ELEC
н ₂ 0	STEAM
OTHER	H ₂ 0
HEATING	OTHER
GAS /	AUX/MISC OTHER
Н28	
ELEC	
OTHER	
FILTERS	
Type	
Condition	
Manometer Reading 1/	
1/ Record only if manometer is installed on the unit.	

DO	MESTIC HOT WATER HEATING SYSTEM / EQUIPMENT LOCATION TENT
a.	Is System Supported from (check one): Central Plant One System per Building Several Small Systems per Building
ь.	Domestic Hot Water Temperatures provided:
c.	Average Pipe Sizes of All HW Piping and Approximate Run of Each:
d.	Is Piping System Insulated and Condition:
e.	Is Hot Water Circulated?
	1) Condition of circulator 3) Is aquestat provided?
	2) Circulator capacity
<u>DOI</u>	ESTIC HOT WATER HEATING EQUIPMENT (If more than one location, list each one)
ъ. Ь.	Areas Served
c.	Areas Served Manufacturer and Model
d.	Energy (Oil, Gas, Electric, Coal, Etc.)
e.	Type Heaters & Quantities:
	1) Storage
	2) Instantaneous
	3) Semi-Instantaneous
f.	Heater Size and Storage Capacity
g.	Heating Capacity
h.	Type Controls (Air, Steam, Electric)
i.	when Installed & Condition
j.	Heater Temperature Setting
k.	Average Water Maintained Temperature
1.	Temperature Differential (j) - (k)

3.4

m. Is Hot Water Supply Adequate:

n. Insulation Thickness
o. Insulation Material

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4004/60HS/30		 		61 L (CA)	tore (80)	cal (H)
MCA 123				TRANE		TRAVE
Comparison			3 24	MEDW		140 Des
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4604/60+/20		//	7	control	9	3
2.6 FLA FA			1 1	9-AY UPLA	1	
ENAP MOTOR		1-1-1-				
QTY ((1016)						
460×/60+/30						
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LOCATION	FAL
BLDG. #0	206

.5 CONTROL/M	MISCELLANE(OUS PROCESS/SKETC	HES			
CONTROL S	SYSTEM: ROLLERS:	ELECTRIC ELECTRONIC	PNEUMATIC	OPERATION:	MANUAL CONTINUOUS DEMAND	TIME CLOCK EMCS
MFG			MODEL		LOCATION_	
CONDITION	N (GIVE DE	TAILED LIST OF PR	OBLEMS AS REQUIRED):			
-						

BLDG.

٠.6 4.2.1 Interior Lighting

(LIGHTS/SWITCH) WINDOW CODE S * 4 -1 -1 くきょしょれの m -10,0 a COLORS 34-1-1 ILLUMI - CEILING NATION HEIGHT E MEASURED 76.45 (FC) z ш С (W/FT²) WATTS PER SQ. FT. ш LIGHTING AREA SERVED G (KWH/YR) (FT^2) LIGHTIN HOURS/ DAY ON TOTAL Watts LAMPS NUMBER -PER OF
FIXTURE FIXTURES AND
MATTS/
FIXTURE 4 و وب 28 7 \Rightarrow 3 ۷ ·M M 4 ₹ 2/ LAMP TYPE AND WATTS 1534 A Par K(s) 1534 431 (S) X **F**\$ f 6 17 TOTAL BUILDING LIGHTING ENERGY F34 ξ 00 H Sunt | F1XTURE TYPE \checkmark \sim α α \checkmark S 싵 K LIGHTING してなが Y 15/1 Can C S ત \otimes ∞ ∞ 8 ∞

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LIGHTING $\frac{-}{4.2.1}$

Recessed # R Suspended # S Ventilated # V Pole Mounted # PM Other--Describe

(Px, commissary)
Other (describe on audit form)
E = Exterior

1 = Corridors 6 = Offices-drafting 2 = Kitchens 7 = Laundry 3 = Dining 8 = Toilets 4 = Offices-general 9 = Sleeping quarters 5 = Offices-bookkeeping 10 = Supply rooms (ledgers only) 11 = Repair shops

If there are windows, indicate:

Window Code:

Lamp Types:

Fixture Types:

Curtains = C Shades = S No Shading = NS

Incandescent = I Fluorescent = F Sodium Vapor = SV Mercury Vapor = MV Metal Halide = MH Other--Describe

12 = Storage room 13 = Retail store

Tasks Code:

BLDG.

LIGHTING

4.2.1 Interior Lighting

] [T		$\neg \neg$								
		REMARKS	(LIGHTS/SWITCH)													
		WINDOW		(J											
	HSI	**-00												_		
	FINISH	O III III	z o												Ì	
	SRS	- LAX														
	COLORS	ОШППП														
		CEILING HEIGHT	(FT)													
		MEASURED ILLUMI - CEILING NATION HEIGHT	(FC)		40			50-60								GEND:
		WATTS PER SQ.FT.	(W/FT ²)												•	L E G
		FLOOR AREA SERVED	(FT ²)													5 N
		LIGHTING F ENERGY S	(KWH/YR) (FT ²)													LIGHTING
		DAYS/ YEAR ON														
		HOURS/ DAY ON														
		TOTAL			`											
		NUMBER OF FIXTURES		72	49	0	<i>∞</i>	57	<u>~</u>	32	33	5	7	15		
		LAMPS PER FIXTURE	MATTS/ FIXTURE	12	72	1/2	2	1/2	7	3	75	75	7	75		
		LAMP TYPE AND	WATTS		77 2.5v	3.2	F34	(V)2/2/2		K(M)	ļ	1534	ks,	¥3≠	ING	
		FIXTURE TYPE		DENOON F34	~	_K	4	4	, H	2	Smile	Sank	یے	22005	TOTAL BUILDING	
		TASK CODE		BLR	3.	-	27.5	2	2	2	2	72	7	2	T01	
	-			۲	7	7	7	7	7	7	7	\	7	7		_

Window Code:

Lamp Types:

Fixture Types:

If there are windows, indicate:

Curtains = C Shades = S No Shading = NS

Incandescent = I Fluorescent = F Sodium Vapor = SV Mercury Vapor = MV Metal Halide = MH Other--Describe

Tasks Code:

LIGHTING 4.2.1

Recessed * R Suspended * S Ventilated * V Pole Mounted * PM Other--Describe

4.2.1 Interior Lighting

206

BLDG.

LOCATION

LIGHTING

AREA (LIGHTS/SWITCH) RECEIVING WINDOW CODE F-100K FINISH OMPLIE r-10,0 x COLORS Z A L L OMHTHS Q ILLUMI- CEILING NATION HEIGHT (FT) MEASURED (E) LEGEN WATTS PER SQ.FT. (W/FT²) FLOOR AREA SERVED LIGHTING (KWH/YR) (FT²) LIGHTING DAYS/ YEAR ON HOURS/ DAY ON TOTAL WATTS LAMPS NUMBER OF PER OF FIXTURES AND AND FIXTURE FIXTURES FIXTURES AND FIXTURE N 1 7 AND LAMP TYPE 43 <u>></u>2 100 TOTAL BUILDING LIGHTING ENERGY FIXTURE TYPE P $\sqrt{}$ 1 Littering Deterior アメナイト

LIGHTING 4.2.1

Recessed = R Suspended = S Ventilated = V Pole Mounted = PM Other--Describe

(PX, commissary)
Other (describe on audit form)
E = Exterior

1 = Corridors 6 = Offices-drafting 2 = Kitchens 7 = Laundry 3 = Dining 8 = Toilets 4 = Offices-general 9 = Sleeping quarters (5 = Offices-bookkeeping 10 = Supply rooms (ledgers only) 11 = Repair shops

If there are windows, indicate:

Window Code:

Lamp Types:

Fixture Types:

Curtains * C Shades = S No Shading = NS

Incandescent = I Fluorescent = F Sodium Vapor = SV Mercury Vapor = MV Metal Halide = MH Other--Describe

12 = Storage room 13 = Retail store

Tasks Code:

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BUILDI	NG A	GF.		}	<		V	TADC	(n.	id	1	703	; <i>(</i>	24 NS	TR.)										
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2.2 BUILDING FLOOR PLAN AND ELEVATION SKETCHES

FLOOR PLAN (Show dimensions and zone	s)	
USF	ED PLANS PROVIDED	

SOUTH ELEVATION (Show floor to ceiling elevations)

USE PLANS PROVIDED

BUILDING FLOOR PLAN AND ELEVATION SKETCHES

	T	Ι	1	Γ	ī	T	 		 	·				,			
	REMARKS																4 - CASEMENT 5 - LOUVERED 6 - FIXED GLASS
INFILTRATION	CRACK															WINDOW TYPES:	, 4 - CA 5 - LO 6 - FI
INF	FIT LOOSE AUG	3	3											Ì		WINDOW	- DOUBLE HUNG - SINGLE HUNG - SLIDING
	W/S NO																SLIC
	YES W	>	,														3 - 1
TYPF	OF FRAME**	Σ	٤														.
	TRPL													301	i	ILITY	G SCREE ANG PECIFY
GLAZING*	DBL													U-VALUE	}	****VISIBILITY:	E - AWNING F - SOLAR SCREEN G - OVERHANG OTHER - SPECIFY
99	TYPE	_	_												2	*	
SIZE		7,×P,	1,8,×1,h,												LEGEND	و	SOLAR FILM VEN BLIND STORM WINDOW DRAPES
П	₹		~											4	!	***SHADING:	AR FI
	3	7	7											TOTAL AREA		# #	
	35													T0T		ı	∢ ⇔∪≏
NUMBER EXPOSURE	S	£								-							BREAK
	R															Æ	- WOOD - METAL - METAL/THERMAL BREAK
	ш	∞_	7								`					**FRAME	L L/THEI
	뿔											٠		,			WOOD METAL METAL
Ш	z	24															3∑ ⊢
	TYPE		6/4														RB I NG
D00R/	WINDOW DESIG.	А	В													*GLAZING:	1 - ORDINARY 2 - ¼" PLATE 3 - HEAT ABSORBING 4 - TINTED

CONSTRUCTION						BLDG. A	/	
WALL ALL	COLOR: D		L ROO	OF (INCL. CLG.)		YPE: F]
MATERIAL	THICKNESS (IN.)	R VALUE		MATERIAL	THICKNES	LOR: D	R VALUE	<u>_</u> _
OUTSIDE FILM				OUTSIDE FILM				
STALLO	1/2"			SAIJ-AF NOSE				
RIGID INCAL.	1"		 	160 IKAL	4"	;		
AIR SPALE	1"		L	w conclusts/ netal Deck	6"			
Cmv	٧ "			IN SPACE				
			ζ.	nsp. ceille				
INSIDE FILM			1	NSIDE FILM				
	TOTAL				-	TOTAL		_
J-FACTOR	AREA		U-F	ACTOR		AREA		_
FLOOR SOG.			DOC	ır				
FLOOR SOG.	AREA THICKNESS (IN.)	R VALUE	DOC		THICKNESS		R VALUE	
FLOOR SOG.		R VALUE	DOC	ır	THICKNESS		R VALUE	
FLOOR SOG.		R VALUE	DOC	IR ATERIAL	THICKNESS		R VALUE	
FLOOR SOG.		R VALUE	DOC	IR ATERIAL	THICKNESS		R VALUE	
FLOOR SOG.		R VALUE	DOC	IR ATERIAL	THICKNESS		R VALUE	
FLOOR SOG.		R VALUE	DOC	IR ATERIAL	THICKNESS		R VALUE	
FLOOR SOG. MATERIAL OUTSIDE FILM		R VALUE	DOC	R ATERIAL UTSIDE FILM	THICKNESS		R VALUE	
FLOOR SOG. MATERIAL OUTSIDE FILM	THICKNESS (IN.)	R VALUE	DOC	R ATERIAL UTSIDE FILM	THICKNESS	S (IN.)	R VALUE	

LOCATION	
BLDG. HO.	257

3.1

'3.1 HEATING EQUIPMENT

Heat Source: Furnace Steam Hot Water Heat Supplement Supplement Supplement Heat Supplement Heat Supplement Heat Supplement Heat Supplement Heat Supplement Heat Supplement Heat Supplement Heat H	plied Steam or Hot Water ternal Roiler Plant)	Other
Capacity: 1,875 MBtu/Hr orBoiler HP or		
Manufacturer: Hurst	Model No.: ESUS	5 30 0
Boiler/Furnace Control: Manual Time Clock		
Operating Temperature:°F	Operating Pressure:	PSI
Fuel: Nat. Gas Only Nat. Gas/	Draft: X	Forced
X Other (Specify)		Induced
Burner: Mfg. Goross PLAT Model No. V	8.3-0-15 Meter	ing Equipment: Yes No
Operating Schedule: Weekdays: From	То	Hr/Day
Weekdays & Holidays: From	To	Hr/Day
Operating Season: From	Mon/Day, to	Mon/Day
Flue Gas Temperature:°F Receiver Tank Con If supplied Steam Steam PressurePSI Hot Water Sup	ditions:°F Ho	
or Hot Water:		_
Insulation: (1) Boiler	• •) PIPES 40017
Poor Area	_FT ² Poor i Are	aF1C
None Temp.	°F None ii Tem	P r
Pump: No. of Pumps 7	V/PH/FLA	
Mfg. Model 10.10	705-70061AUI-1	HP 11/2 RPM 1725
HW Pump Starter: HOA Reset P/B S/S P	ush Button Interlocke	ed with Boiler? Yes No
FOR LARGE BOILERS (over 6,000 MBTUH): Combustion Control M	fg	Mode1
Condensate Pumps/Hot Water Pumps: Mfg	Model	нР
Boiler/Furnace Condition: Describe		
Describe		
Occupant Discomfort (Evaluate):		
Occupant Discomfort (Evaluate).		
		HEATING EQUIPMENT

3.2 COOLING EQUIPMENT

OMPRESSOR(S)/CHILLER		COOLING TOWER	
Manufacturer		Gravi ty	
Model No.		Mech. Draft	
Size		Manufacturer	
Refrigerant		Model No.	
Motor HP (if availabl	e)	Type of Fan	
Motor Voltage		Fan RPM	
Motor FLA		Fan Motor HP	- NA
Measured Amps		Fan Motor Voltage	/
The second secon		Fan Motor FLA	/
CONDENSER/CONDENSING UN	111	Measured Amps	/
Water Cooled		CHILLED HATED DIMPS	(If more than one, how many
Air Cooled			rmal operation:)
Evaporative	<u> </u>		Tina operación.
Manufacturer	TRANZ	Manufacturer	
Model No.	RAVA -8006-EA	Model No.	
Size	80 100	Capacity Gals.	
Type of Fan	COND.	Head, Ft.	- VA
Fan Motor HP	7.5	Motor HP	
Fan Motor Voltage	<u> 200 </u>	Motor Voltage	
Fan Motor FLA	25.4	Motor FLA	<i></i>
Measured Amps	50 (RMU)	Measured Amps	/
CONDENSER WATER PUMPS	(If more than one, how many op	erate on normal operation:)
Manufacturer	·		
Model No.			
Capacity, Gals.			•
Head, Ft.			
Motor HP	/		•
- Motor Voltage			
Motor FLA	NA /		
Measured Amps			
neasured Amps			
REMARKS:			
	/		
./			

3.3 AIR HANDLING EQUIPMENT

FANS	(207)	(207A)		
Туре	_ CFOT	PRENTATO		
Unit/Zone	# B409	# Money	#	ė
Manufacturer	Morry	TRAVE		
Model No.	Cich	LBISP		
Туре	#50	SN 0925		
RPM Of Fan	RETURN - 10 AP			
Motor HP	SUPPLY-ZSHP	1.5		
Motor Volts	6	20%	-	
Motor FLA	200	6		
Measured Amps	50 Anos			
CFM (from Plans)		-		
Notes			· · · · · · · · · · · · · · · · · · ·	
COILS Indicate capacities ,	s where found:		HUMIDIFICATION	
	DX	¥	ELEC	/
			STEAM	
	OTHER		H ₂ 0	
	HEATING		OTHER	s*/
			7	
	-			
FILTERS				
Туре			•	
Condition	155" Hz	٥		
Manometer Reading 1	_			

 $\underline{1}$ / Record only if manometer is installed on the unit.

DOMESTIC HOT WATER HEATING SYSTEM	/EOUTDWENT		LOCATION FHL BLDG. NO. 207/207A
			<u> Perredig</u>
a. Is System Supported from (check	cone): Central Plant	∑ One Sys	tem per Building
	Several Small Sy	ystems per Building	•
b. Domestic Hot Water Temperatures	provided:	2F	
C. Average Pipe Sizes of All Hu pa	ping and Approximate Run of Each:		
STATE OF THE STATE OF ALL THE PE	ping and Approximate Run of Each:		:
·			
d. Is Piping System Insulated and	Condition:		
e. Is Hot Water Circulated?			
1) Condition of circulator	3) Is aqu	uastat provided?	
2) Circulator capacity	4) Aquas	tat temperature cossi	
			ng
DOMESTIC HOT WATER HEATING EQUIPMENT	[(If more than one location, list	t each one)	
a. Location	207 mech tiemp for	207A	
b. Areas Served	207	207A	
c. Manufacturer and Model			
d. Energy (Oil, Gas, Electric, Coal	, Etc.) F.O.	ELECTRIC	
e. Type Heaters & Quantities:	HEAT- EXCHANGER		
1) Storage	1,075 GAL.	15 GAL.	
Instantaneous			
Semi-Instantaneous			
f. Heater Size and Storage Capacity		3 KM	
g. Heating Capacity			
h. Type Controls (Air, Steam, Elect	ric)		
i. When Installed & Condition			
j. Heater Temperature Setting	145°F	130.4	
k. Average Water Maintained Temperat			
1. Temperature Differential (j) - (k	()		
m. Is Hot Water Supply Adequate:			
n. Insulation Thickness O. Insulation Material			

3.4

CONTROL/MISCELLAN	EOUS PROCESS/SKETCH	i <u>es</u>		BLDG. NO.
CONTROL SYSTEM: CONTROLLERS:	ELECTRIC ELECTRONIC	PNEUMATIC	COI	NUAL TIME CLOCK ITINUOUS EMCS
MFG		MODEL	LOC	CATION
CONDITION (GIVE DE	ETAILED LIST OF PRO	BLEMS AS REQUIRED):		
208A: 40	decapt T	stuts		

Book noom of 208A has
14 PC'S, TV, 20 PN & overhouts for some some

W

4.2.1 Interior Lighting

BLDG. [207]	REMARKS	(LIGHTS/SWITCH)	X07 07 4-16 (* 5	yourse lighter										12 = Storage room 13 = Retail store (Px, commissary) Other (describe on audit form) E = Exterior
LOCATION THE	CEILING E W F E W F WINDOW HEIGHT L A D L A D CODE	. N 0	7-3" LLM FFF 6											Tasks Code: 6 = Offices-drafting 7 = Laundry 8 = Toilets 9 = Sleeping quarters 0 = Supply rooms 1 = Repair shops
	MATTS ILLUMI- PER NATION SQ.FT.	(W/FT ²) (FC)	40-50				SI						LEGEND:	1 = Corridors 2 = Kitchens 3 = Dining 4 = Offices-general 5 = Offices-bookkeeping (ledgers only)
	DAYS/ LIGHTING FLOOR YEAR ENERGY SERVED	(KWH/YR) (FT ²)							Fri .				LIGHTING	Window Code: If there are windows, indicate: Curtains * C Shades * S No Shading * NS
	TOTAL DAY			,					Sunsol					S S S S S S S S S S S S S S S S S S S
(b)		ユニ		3 9	4 1		2/6	2 5	y not	9 5				Lamp Types: Incandescent = Fluorescent = Sodium Vapor = Mercury Vapor = Metal Halide = OtherDescribe
LIGHTING	TASK FIXTURE LAMP CODE TYPE TYPE		9 8 40	UC 5 FAO	Frace S 40		Courted R F	" R F40	Ouptr S FUN	S		TOTAL BUILDING LIGHTING ENERGY		Recessed = R Suspended = S Ventilated = V Pole Mounted = PM OtherDescribe
=	l	1			<u> </u>	5 Conas	<u>ම</u> ේ.		1 5°	۱ - حه		1		LIGHTING 4.2.1

BLDG.

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LOCATION

NV

LIGHTING

4.2.1 Interior Lighting

207A (LIGHTS/SWITCH) REMARKS WINDOW CODE m 100x ^ FINISH I U OMHTHE 1 **L**1008 COLORS ナ FLAE OMMJHKO J ILLUMI - CETLING NATION HEIGHT 076 E 10,6 MEASURED (FC) E N D WATTS PER SQ. FT. (W/FT²) G ш П LIGHTING FLOOR ENERGY SERVED (KWH/YR) (FT²) G LIGHTIN DAYS/ YEAR On HOURS/ DAY ON LAMPS NUMBER
PER OF
FIXTURE FIXTURES
AND
MATTS/
MATTS/ $\mathcal{U}_{:}$ Q 7 8 7 D 0 2 4 12 43 4 7 ζ. 4 AND 1 2 2 LAMP TYPE η > IL TOTAL BUILDING LIGHTING ENERGY 4 1 4 Ц FIXTURE TYPE 157 FLOOD 0 5 \checkmark 尽 5 S 5 2 \wedge 5 Duana Shorne Corrida 93 4819 TASK CODE Days 寸 X B

Recessed = R Suspended = S Ventilated = V Pole Mounted = PM Other--Describe

(PX, commissary)
Other (describe on audit form)
E = Exterior

= Corridors 6 = Offices-drafting
= Kitchens 7 = Laundry
= Dining 8 = Toilets
= Offices-general 9 = Sleeping quarters
= Offices-bookkeeping 10 = Supply rooms
(ledgers only) 11 = Repair shops

If there are windows,

indicate:

Window Code

Lamp Types

ixture Types:

the management will be a second to the secon

Curtains = C Shades = S No Shading = NS

Incandescent = I Fluorescent = F Sodium Vapor = SV Mercury Vapor = MV Metal Halide = MH Other--Describe

12 = Storage room 13 = Retail store

Tasks Code:

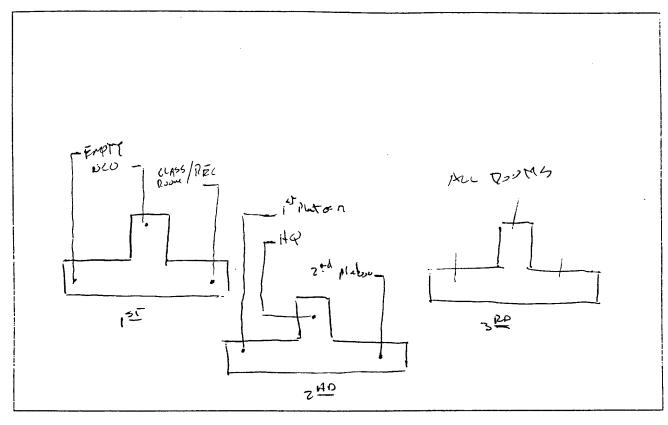
LIGHTING 4.2.1

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ERAL BU	ILDIN	G D	ATA																						
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* 2.2 BUILDING FLOOR PLAN AND ELEVATION SKETCHES

FLOOR PLAN (Show dimensions and zones)



SOUTH ELEVATION (Show floor to ceiling elevations)

NSED AS-BAILT DINGS PROVIDED

BUILDING FLOOR PLAN AND ELEVATION SKETCHES

[— т			- 1	ī					i	·····					
	REMARKS ***, ***				·	·												ES: 4 - CASEMENT 5 - LOUVERED 6 - FIXED GLASS
INFILTRATION	CRACK LENGTH																	WINDOW TYPES: JNG 4 -
	FIT LOOSE AUG	`	`															MIND - SINGLE HUNG - SINGLE HUNG - SINGLE HUNG
	S ON																	2 - 50 3 - 51
	W/S YES	7	>															: 20 %
TYPE	*	Æ	¥															****VISIBILITY: E - AWNING F - SOLAR SCREEN G - OVERHANG OTHER - SPECIFY
	TRPL															U-VALUE		IBILI ING AR SCI SHANG SPEC
* 9N I	DBI															5	••1	****VISIBILITY: E - AWNING F - SOLAR SCREE G - OVERHANG OTHER - SPECIFY
GLAZING*	ТүрЕ	_								 					1		LEGEND:	# 50
SIZE		2'×6'	28,274														LEG	***SHADING: SOLAR FILM VEN BLIND STORM MINDOM DRAPES
"		2,	8,2			ļ						-	-	+]	***SHADING: SOLAR FILM VEN BLIND STORM WIND DRAPES
	3		_	ļ						ļ	ļ		-	-		TOTAL AREA		***5 - SOL - VEN - STO - DRA
	3	74						ļ				-	 		-	TOTAL		4800
	MS.						ļ	_	-		ļ		-		<u> </u>			BREAK
NUMBER	S	71	7					ļ	<u> </u>			-	-	-	-	_		AL BRI
N	SE						ļ	ļ	<u> </u>		<u> </u>	-	_			_		**FRAME: WOOD METAL METAL/THERWAL
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	z	∞_	+							_				_				132-
	TYPE	_	6/4															ORBIN
2000	WINDOW DESIG.	A																*GLAZING: 1 - ORDINARY 2 - 14" PLATE 3 - HEAT ABSORBING 4 - TINTED
_																		20000C * 0000C

CONSTRUCTION					0. 208
WALL AL	COLOR: D] M [] L []	ROOF (INCL. CLG.)	TYPE: F Z	P M
MATERIAL	THICKNESS (IN.)	R VALUE	MATERIAL	THICKNESS (IN.)	R VALUE
OUTSIDE FILM			OUTSIDE FILM		
STULLO	7.		BUILT-MP (WOF		
RIGID INCLESS	١١ ا		RIGIO INCH	Ψ"	
AIR SPALE	1,		LT WEIGHT CAMCRETE/MIETAL D	zck 6"	
Cmu	8"		LT WEIGHT COMCRETE/METAL D AIR SPALE		
			SNEP. CEILING		
INSIDE FILM			INSIDE FILM		
	TOTAL		 	TOTAL	
J-FACTOR	AREA		U-FACTOR	AREA	
FLOOR SOG					
					1
MATERIAL	THICKNESS (IN.)	R VALUE	MATERIAL	THICKNESS (IN.)	R VALUE
	THICKNESS (IN.)	R VALUE	MATERIAL OUTSIDE FILM	THICKNESS (IN.)	R VALUE
MATERIAL	THICKNESS (IN.)	R VALUE		THICKNESS (IN.)	R VALUE
MATERIAL	THICKNESS (IN.)	R VALUE		THICKNESS (IN.)	R VALUE
MATERIAL	THICKNESS (IN.)	R VALUE		THICKNESS (IN.)	R VALUE
MATERIAL	THICKNESS (IN.)	R VALUE		THICKNESS (IN.)	R VALUE
MATERIAL	THICKNESS (IN.)	R VALUE		THICKNESS (IN.)	R VALUE
MATERIAL	THICKNESS (IN.)	R VALUE		THICKNESS (IN.)	R VALUE
MATERIAL OUTSIDE FILM	THICKNESS (IN.)	R VALUE	OUTSIDE FILM	THICKNESS (IN.)	R VALUE
MATERIAL OUTSIDE FILM		R VALUE	OUTSIDE FILM		R VALUI

'3.1 HEATING EQUIPMENT

Heat Source: Furnace Steam Boiler Hot Water Heat Supplied Steam or Hot Water Other Boiler Pump (External Boiler Plant)
Capacity: 1875 MBH: orBoiler HP orLbs/Hr Steam orGPM Hot Water
Manufacturer: Hurst Model No.: F3275-30-6
Boiler/Furnace Control: Manual Time Clock Demand EMCS 0 ₂ Trim
Operating Temperature: 190 PSI
Fuel: Nat. Gas Only Nat. Gas/ Draft: Forced A45 X Other (Specify) PETS(2 Induced DAMP
Burner: Mfg. Crotos (AT Model No. 28.3-0-15 Metering Equipment: Yes No
Operating Schedule: Weekdays: From To Hr/Day Hr/Day
Weekdays & Holidays: From To Hr/Day
Operating Season: From Mon/Day, to Mon/Day
Flue Gas Temperature:°F Receiver Tank Conditions:PSIG°F
If supplied Steam Steam PressurePSI Hot Water Supply Temp°F Hot Water Return Temp°F
Insulation: (1) Boiler (2) Other (Specify)
Poor Area FT ² Poor Area FT ²
None Temp. °F None Temp. °F
Pump: No. of Pumps
Mfg. PACO Model 10-10705-700061A01-1 HP 1'/2 RPM 1775
HW Pump Starter: HOA Reset P/B S/S Push Button Interlocked with Boiler? Yes No
FOR LARGE BOILERS (over 6,000 MBTUH): Combustion Control Mfg. Model Model
Condensate Pumps/Hot Water Pumps: Mfg. Model HP
Boiler/Furnace Condition:
Describe
Occupant Discomfort (Evaluate):

3.2 COOLING EQUIPMENT

PRESSOR(S)/CHILLER (P	LIT SYSTOM DX	COOLING TOWER	
anufacturer /ICA	2	Gravity	
	8006-EA_	Mech. Draft	<u> </u>
i ze		Manufacturer	
Refrigerant		Model No.	
Motor HP (if available)	80H	Type of Fan	
Notor Voltage)&v/3y	Fan RPM	
Motor FLA	264	Fan Motor HP	
Measured Amps		Fan Motor Voltage	
		Fan Motor FLA	
NDENSER/CONDENSING UNIT		Measured Amps	
Water Cooled			s then one boy many
Air Cooled _			f more than one, how many
Evaporative		operative during norm	al operation:)
Manufacturer _		Manufacturer	\
Model No		Model No.	
Size _		Capacity Gals.	
Type of Fan ZEA		Head, Ft.	
Fan Motor HP	7~5 HP	Motor HP	
Fan Motor Voltage	2060/36	Motor Voltage	
Fan Motor FLA	24.4	Motor FLA	
Measured Amps		Measured Amps	
ONDENSER WATER PUMPS (If	more than one, how many op	erate on normal operation:	
Manufacturer			
Model No.			
Capacity, Gals.			
Head, Ft.			
Motor HP			•
. Motor Voltage			
Motor FLA			
Measured Amps			
REMARKS:			

3.3 AIR HANDLING EQUIPMENT

FANS	208	208A		
Туре	Climate CHARAR	in RODFTOP PKG	NNIT	
Unit/Zone	# pr - 208		and the second s	<i>i</i>
Manufacturer	TRALE	_ AIR FAJ		
Model No.	50	LPS18D		
Type				
RPM of Fan				
Motor HP	-			
Motor Volts			*	
Motor FLA				
Measured Amps				
CFM (from Plans)				
Notes				
COILS Indicate capacities v	where found:			
	COOLING		HUMIDIFICATION	
	/			
	VIII			
	HEATING		VIIICK	
	GAS	•	AUX/MISC OTHER	
	н ₂ 0			
	ELEC			
	OTHER			
FILTERS				
Type			•	
Condition				
Manometer Reading 1/				

1/ Record only if manometer is installed on the unit.

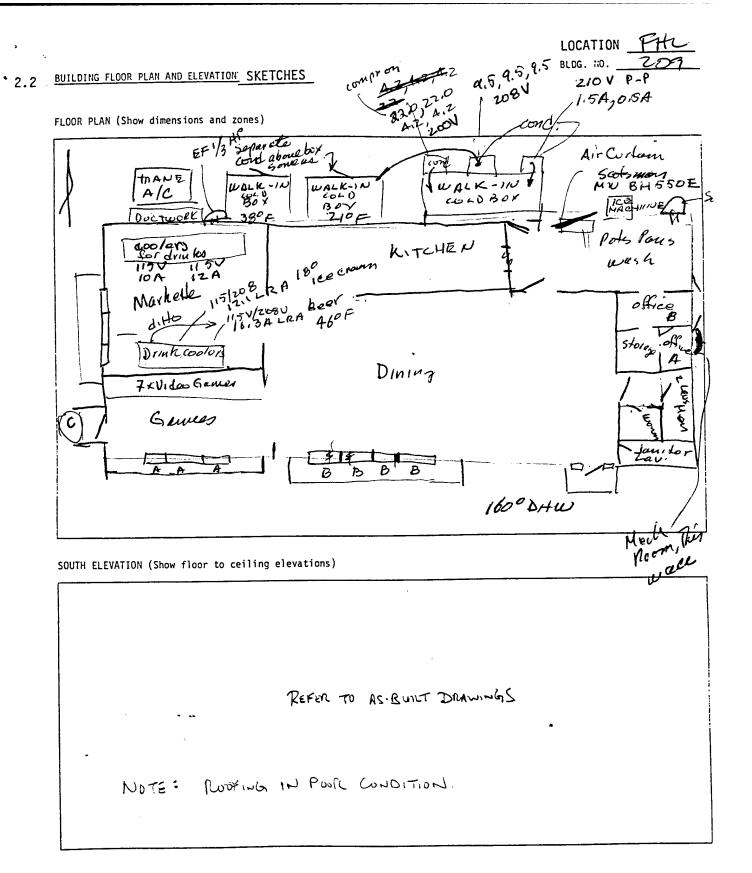
DOMESTIC HOT WATER HEATING SYSTEM / EQUIPMENT One System per Building a. Is System Supported from (check one): | Central Plant Several Small Systems per Building Domestic Hot Water Temperatures provided: c. Average Pipe Sizes of All HW Piping and Approximate Run of Each: d. Is Piping System Insulated and Condition: e. Is Hot Water Circulated? 1) Condition of circulator 4000 3) Is aquastat provided? 2) Circulator capacity _______ 4) Aquastat temperature setting _____ DOMESTIC HOT WATER HEATING EQUIPMENT (If more than one location, list each one) 208 Mccit Eamp Room Location Areas Served Manufacturer and Model F.o. Energy (Oil, Gas, Electric, Coal, Etc.) きしだしてから e. Type Heaters & Quantities: HEAT EXCHANGER 1) Storage 2) Instantaneous 3) Semi-Instantaneous 1,075 GALS 15 Gnus f. Heater Size and Storage Capacity g. Heating Capacity Type Controls (Air, Steam, Electric) When Installed & Condition 14004 140°F Heater Temperature Setting Average Water Maintained Temperature Temperature Differential (j) - (k) Is Hot Water Supply Adequate: Insulation Thickness

o. Insulation Material

LIGHTING

BLDG. 208/ 12 = Storage room
13 = Retail store
(PX, commissary)
Other (describe on audit form)
E = Exterior (LIGHTS/SWITCH) REMARKS WINDOW CODE 77 77 R000K FINISH Tasks Code: 0 N H L H C C R 100K COLORS LOCATION 3411 SZHTHMC ILLUMI- CEILING NATION HEIGHT (F MEASURED (FC) LEGEND \mathcal{C} (W/FT²) Ë LIGHTING FLOOR ENERGY SERVED 207 (KWH/YR) (FT²) LIGHTING If there are windows, Curtains = C Shades = S No Shading = NS Window Code: indicate: 6 DAYS/ YEAR ON IPENTHAL HOURS/ DAY ON Incandescent = I Fluorescent = F Sodium Vapor = SV Mercury Vapor = MV Metal Halide = MH Other--Describe Lamp Types: LAMPS NUMBER OF FIXTURES NATTS/ LAMP TYPE AND WATTS Recessed = R Suspended = S Ventilated = V Pole Mounted = PM Other--Describe TOTAL BUILDING LIGHTING ENERGY Fixture Types: FIXTURE TYPE

OCATION FHC .	SURVEYED BY	RJ13/B1H	DATE 7007 9
ILDING NUMBER 209	FUNCTION/US	E SNACK	BAR
FORMATION SOURCE (DWG. NO./PERS	ON)	Sylver	1 AS BALT DWGS
		,	
NERAL BUILDING DATA			
BUILDING AGE:	YEARS		
DUPLICATE BUILDING NOS:			
			TOTAL:
SIMILAR BUILDING NOS:			
			TOTAL:
BUILDING OCCUPANCY: Indicate (number and) dur	·		NO. OF OCCUPANTS 5
indicate (number and) dur	ation of occupants each	day	
М	1 11 11 1	- Astoner	
T I	1, unch 3	day costone	
T	160	HONO	
F	1 Diving		
S		2000	
5	6 8 10	12 14 16	18 20 22 24
0 2 4	6 8 10		18 20 22 24
MISCELLANEOUS EQUIPMENT:			
-		•	
ADDITIONAL COMMENTS, CRITICAL	LOADS:		
Adequate	mini Mor	toud vide	roken has been
		unit is h	roben) has been
	ye for	years.	
CRAWL SPACE: VENTILATED		log/Lino	



NOT TAST ITANI		W/S FIT CRACK REMARKS YES NO LOOSE AUG LENGTH ***, ****		o ovorhong-	o Snawar,	V AVG								WINDOW TYPES:	1 - DOUBLE HUNG 4 - CASEMENT 2 - SINGLE HUNG 5 - LOUVERED
	TYPE	ŧ	,	N	Z	3								- -	EEN
GI A 7 TMC*	0LA21110	TYPE DBL TRPL										U-VALUE	G E N D :	****VISIBILITY:	E - AWNING F - SOLAR SCREEN
-	SIZE	L×H TY		# Ex95	46 265 4	1 x2 X411 36 x 80							L E G E	ان	E
		M NM		99	46	36.						TOTAL AREA	<u> </u>	***SHADING:	- SOLAR FILM - VEN BLIND
	ψ.	NS										101		1	∢ છ
NUMBER	EXPOSUR	SE S		20	4									**FRAME:	
		3 JN I]		*	W - WOOD M - MFTAI
		TYPE	Į.	و	و	7									
	D00R/	WINDOW DESIG.	Extra Court	O Window	B window	O Das								*GLAZING:	1 - ORDINARY

CONSTRUCTION	Refer to blog ple		8LDG. NO
MALL	COLOR: D M L	ROOF (INCL. CLG.)	COLOR: D M
MATERIAL	THICKNESS (IN.) R VALUE	MATERIAL	THICKNESS (IN.) R VALUE
OUTSIDE FILM		OUTSIDE FILM	
INSIDE FILM		INSIDE FALM	TOTAL
	TOTAL		TOTAL
U-FACTOR	AREA	U-FACTOR	AREA
FLOOR		DOOR	
FLOOR MATERIAL	THICKNESS (IN.) R VALUE	DOOR MATERIAL	THICKNESS (IN.) R VALUE
FLOOR MATERIAL OUTSIDE FILM	THICKNESS (IN.) R VALUE		THICKNESS (IN.) R VALUE
MATERIAL	THICKNESS (IN.) R VALUE	MATERIAL	THICKNESS (IN.) R VALUE
MATERIAL	THICKNESS (IN.) R VALUE	MATERIAL	THICKNESS (IN.) R VALUE
MATERIAL	THICKNESS (IN.) R VALUE	MATERIAL	THICKNESS (IN.) R VALUE
MATERIAL	THICKNESS (IN.) R VALUE	MATERIAL	THICKNESS (IN.) R VALUE
MATERIAL	THICKNESS (IN.) R VALUE	MATERIAL	THICKNESS (IN.) R. VALUE
MATERIAL	THICKNESS (IN.) R VALUE	MATERIAL	THICKNESS (IN.) R. VALUE
MATERIAL OUTSIDE FILM	THICKNESS (IN.) R VALUE	MATERIAL OUTSIDE FILM	THICKNESS (IN.) R. VALUE
MATERIAL OUTSIDE FILM		MATERIAL OUTSIDE FILM	

LOCATION	Fitz
BLDG. NO.	7,09

'3.1 HEATING EQUIPMENT

Heat Source: Furnace Steam Hot Water Heat Supplied Steam or Hot Water Other Other Other Heat Supplied Steam Other Oth
Capacity: 280 00 0 Btu/Hr or Boiler HP or Lbs/Hr Steam or GPM Hot Water
Manufacturer: Bryon Model No.: D-350W-W 50 46262
Boiler/Furnace Control: Manual Time Clockwith Demand EMCS 02 Trim
Operating Temperature: Work away 1200 175/2150 F on Stats 750 F Hw Reset Control Operating Pressure: PSI
Fuel: Nat. Gas Only Nat. Gas/ Draft: Forced Other (Specify) Propose Induced
Burner: Mfg. Econom, Le Model No. RE32P Metering Equipment: Yes Tho Bl. Ac Time Clock 24hr, not 7-day on 0500 of 1530 Operating Schedule: Weekdays: From To Hr/Day
Weekdays & Holidays: From + Jay Wask Hr/Day Hr/Day
Mon/Day
Flue Gas Temperature:°F Receiver Tank Conditions:PSIG°F
If supplied Steam Or Hot Water: Steam Pressure PSI Hot Water Supply Temp. F Hot Water Return Temp. PSI Hot Water Supply Temp.
Insulation: (1) Boiler (2) Other (Specify)
Poor Area 8 K 3 1/2 FT2 Poor Area FT2
None: Temp°F None Temp°F
Pump: No. of Pumps In. Line Circulator V/PH/FLA /
MfgModelHP
HW Pump Starter: HOA Reset P/B S/S Push Button Interlocked with Boiler? Yes No
FOR LARGE BOILERS (over 6,000 MBTUH): Combustion Control Mfg Model
Condensate Pumps/Hot Water Pumps: MfgModelHP
Boiler/Furnace Condition:
Describe
Occupant Discomfort (Evaluate):

3.2 COOLING EQUIPMENT

COMPRESSOR(S)/CHILLER	COOLING TOWER
Manufacturer	Gravity
Model No.	Mech. Draft
Size	Manufacturer
Refrigerant	Model No
Motor HP (if available)	Type of Fan
Motor Voltage	Fan RPM
Motor FLA	Fan Motor HP
Measured Amps	Fan Motor Voltage
,	Fan Motor FLA
CONDENSER/CONDENSING UNIT	Measured Amps
Water Cooled	CHILLED WATER PUMPS (If more than one, how many
Air Cooled	operative during normal operation:)
Evaporative	Manufacturer
Manufacturer	· /
Model No.	Model No.
Size	Capacity suis.
Type of Fan	Head, Ft. ———————————————————————————————————
Fan Motor HP	Motor Voltage
Fan Motor Voltage	Motor FLA
Fan Motor FLA	
Measured Amps	Measured Amps
CONDENSER WATER PUMPS (If more than	one, how many operate on normal operation:)
Manufacturer	
Model No.	_
Capacity, Gals.	- <i></i>
Head, Ft.	-
Motor HP	-
. Motor Voltage	
Motor FLA	<u>/</u>
Measured Amps	
REMARKS PACE TRAILE UNIT	5ACA 753-C
1 comp. 30 601	30.3 - 20.8 RIA 208/240 LRA 163.0
2 cond four 19	60HZ 27FL10208 7.7FL16240V
l Evap For 3	d 60Hz 75-208 6.8-240
	12-22

unitis turned offat disconnect sa. COOLING EQUIPMENT HW Htg coil elbo. Economirar dompers disconnectif

3.3 AIR HANDLING EQUIPMENT

FANS				
Туре	Air Cuxtern on A	2016 Hat	(PKO. RUOFTOP AFM
Unit/Zone	# Door	# Mach Run E. h	# /	±
Manufacturer	Universal Jet	. ?	i	MAMMOTIT MYN.
Model No.				LEHB- 181W258
Туре	Coutr.	~1/3HP	1	Compressing Land.
RPM of Fan	**	on TStat so	+	Z084/34/88 FLA
Motor HP		80°F		AHN WAD MEAS:
Motor Volts		also on A/C		62A2 2081/34
Motor FLA		HAR THEOR		
Measured Amps				
CFM (from Plans)				
Notes				
COILS				
Indicate capacitie	s where found:			
	COOLING		HUMIDIFICATION	
	DX		ELEC	•
	H ₂ 0		STEAM	
	OTHER		_ H ₂ 0	
	HEATING		OTHER	
	9			h IX
	GAS		_ AUX/MISC OTHER	
	H ₂ 0			
	ELECOTHER			
	UTHER		- ——/—	
FILTERS	•		ŗ.	
•	••			
Type Condition				
Manometer Reading 1				
Handmeter Reading 1				

 $\underline{1}$ / Record only if manometer is installed on the unit.

3.4 DOMESTIC HOT WATER HEATING SYSTEM / EQUIPMENT

a.	Is System Supported from (check one):	Central Plant One System per Building Several Small Systems per Building
b.	Domestic Hot Water Temperatures provided	
c.	Average Pipe Sizes of All HW Piping and	Approximate Run of Each:
d.	Is Piping System Insulated and Condition	n:OIV
e.	Is Hot Water Circulated?	
	1) Condition of circulator	UN 3) Is aquastat provided? UA
		υ() 4) Aquastat temperature setting
10 <u>0</u>	MESTIC HOT WATER HEATING EQUIPMENT (If mo	J.X.
a.	Location	
b.	Areas Served	
c.	Manufacturer and Model	Imprison EFR4ZD-IL
d.	Energy (Oil, Gas, Electric, Coal, Etc.)	
e.	Type Heaters & Quantities:	
	1) Storage	42 gal
	2) Instantaneous	
	3) Semi-Instantaneous	
f.	Heater Size and Storage Capacity	
	Heating Capacity	208V 1\$ 240V1\$
h.	Type Controls (Air, Steam, Electric)	3375 4500 W WORLD
i.	When Installed & Condition	-11 - Lower
		Econpactal W = 3375/4500
k.		
1.		
	Is Hot Water Supply Adequate:	
	Insulation Thickness	Tura
	Insulation Material	Type

LOCATION	FIL
BLDG. NO	209

2	E	CONTROL/MISCELLANEOUS	PROCESS/SKETCHES

CONTROL SYSTEM:			. /
CONTROLLERS:	ELECTRIC	PNEUMATIC	OPERATION: MANUAL TIME CLOCK
	ELECTRONIC		CONTINUOUS EMCS
			DEMAND
MFG		MODEL	LOCATION
CONDITION (GIVE DE	ETAILED LIST OF PRO	OBLEMS AS REQUIRED):	
		<u> </u>	
		<u>.</u>	
			.1

Horseywell thornostats HEC H=50°F C= 68°F

ruside Ing 68°F

ell

LOCATION	Fit
BLDG. NO.	202

4.1 - MAIN SERVICE

`							
	4.1.1 TRANSFORMER: SizeConnec	•	50 Y		لببا	ry Type il Filled	d
	Locati 1名4千つGI 4.1.2 MAIN SWITCHBOARD:	on Site	200+5.20 7200-	Meel Room	<u> </u>		-
	MANUFACTURER	ly is	Melore	I-see M	reter rea (BRKR) (zdnie i FUSE)	rolos
	BUS RATING AMPS				WIRE		NEUTRAL
	MAIN (BKR)(FUSE)(MLO)						
	SOURCE			VOLTS:	AN	BN	CN
	CIRCUIT INFORMATION:						
CKT NO.	DESCRIPTION		BKR MFG.	FRAME/TRIP	LOAD A B C	111	
							-
	•						
·			NA		iii		
							
-T							

ELECTRICAL MAIN SERVICE

•	4.2.1 Interio	n Light	illy													
Š.		TCH.)												•		ary)
BLD6.	REMARKS	(LIGHTS/SWITCH)									-					12 = Storage room 13 = Retail store (PX, commissary) Other (describe on audit form) E = Exterior
	WINDOW															
3	FINISH E E N E I N														ode:	Offices-drafting Laundry Toilets Sleeping quarters Supply rooms Repair shops
2	¥ 100														Tasks Code:	Offices-draf Laundry Toilets Sleeping qua Supply rooms Repair shops
LOCATION	COLORS	= G														9
ב	MEASURED ILLUMI - CEILING NATION HEIGHT	(FT)	à jo	13/6	_								>			= Corridors 6 = 0f = Kitchens 7 = La = Dinfing 8 = To = Offices-general 9 = SI = Offices-bookkeeping 10 = Su (ledgers only) 11 = Re
	MEASURED ILLUMI- NATION	(FC)	50											E N D :		ridors chens ing ices-gene ices-book dgers onl
	WATTS PER SQ.FT.	(W/FT ²)								:				L E G		1 = Cor 2 = Kit 4 = Off (le
	FLOOR AREA SERVED	- 1												1 N G	1	• s.mo
	LIGHTING ENERGY	(KWH/YR) (FT ²)												1 G H T	Window Code:	there are windows, indicate: Curtains = C Shades = S No Shading = NS
	DAYS/ YEAR ON							·							Windo	If there indi Curta Sha No Shad
	HOURS/ DAY ON									·					•	
	TOTAL WATTS														pes:	ent = I ent = F por = SV por = MV ide = MH
5	LAMPS NUMBER PER OF FIXTURE FIXTURES AND UATTE	-	7	_	_	15	4	4	9	9	7	8.		8	Lamp Types	Incandescent = Fluorescent = Sodium Vapor = Mercury Vapor = Metal Halide = OtherDescribe
2/2001		E 7	8 4 6	109	- 0	100	-03	-3	-60	100	n	_		4/200	,	n ware
40	LAMP TYPE AND WATTS	F 2		T 69	F 34	H 60	H 69	43	409	200	F4	54	ING ERGY	140	es:	in in it.
Z S	FIXTURE TYPE	Ø	S	R	S	4	ج.	85°C	6	K	8	19 Selection 19 19 19 19 19 19 19 19 19 19 19 19 19	TOTAL BUILDING LIGHTING ENERGY	BS	Fixture Types:	Recessed * R Suspended * S Ventilated * V Pole Mounted * Pl OtherDescribe
POTS/pond	TASK CODE	80:	8=1	g S	buller	3	Eminos		Harlet	Sawas	RILLE	Stomas	TOTAL LIGHTI	95.6	Fix	Su Su Ven Pole Othe
,		/	/	/	/	/	/	1	/	/	/	1		.		LIGHTING 4.2.1

LOCATION	Fite
BLDG. NO.	Log

4.2 LIGHTING (continue	d)
------------------------	----

4.2.2 Exterior Lighting

ACTUAL NO. OF FIXTURES Porth 2	TYPE OF FIXTURE PAR 190	NO. OF FIXTURES IN USE	WATTS/ FIXTURE	TOTAL WATTS	CONTROL TYPE*	<u>REMARKS</u>
E05+ 1	Pecessal bow I LPS 250					
	·					
	•		 			-
						

^{*} M = Manual T = Timer P = Photocell Enter schedule under Remarks.

CALCULATIONS

WAT.	77	0F	TNT	FRI	UR	LIGH	TTNG
$n \cap 1$	12	O1	1111	F 1/1	· UN		1 1 1 U

Actual at time of survey

Total installed

WATTS OF EXTERIOR LIGHTING

Actual on at time of survey____

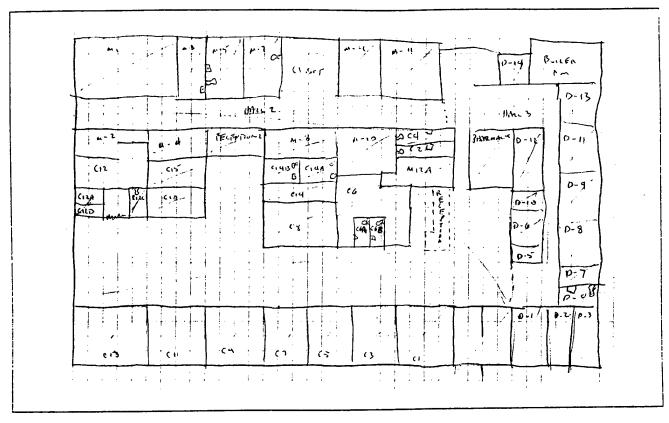
Total installed_____

ARCH	ITEC	TURE	-1	MIS	CEL	LAN	EOU	<u>S</u> su	JRVEY	ED 1	ВҮ		V .	تد	5/	13	14	ţ			DAT	TE C	χī	-92
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DING NO	MBEK			<u> </u>		-		'`	JIICI	. O.1.7 ·	· · · ·		1.4.0	<u>-1J</u>		<u> </u>		· .	1 1 '	ر د		<u> </u>	<u> </u>	
RMATION	SOUR	CE (DW	IG. NO)./PI	ERSO!	и)				2	<u>U</u>	57	⊋د	Δ,		<u>/15</u>	<u>تر .</u>	> V. ·	<u> </u>	<u> </u>	W (S	-		·
D. B. 1. D. 1. T. T. T. T. T. T. T. T. T. T. T. T. T.	LOTNO	DATA																						
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BUILDIN	IG AGE	:	17	12	<u>()</u>	YE	ARS																	
DUPLICA	TE BU	ILDING	NOS	:																				
							·														TOTA	L:		
SIMILAF	R BUIL	DING I	: 201											·										
											·										TOTA	NL:		
BUILDII	NG OCC	UPANC	Υ:			c	ONT	וסטא	S (2	4 HF	RS/DA	(Y)	\overline{X}					NC). OF	000	CUPAN	NTS_	10	
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м																								
Т													_				<u> </u>		_					
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																		_						

ADDIT	ONAL	COMME	NTS,	CRIT	TCAL	. LOA	DS:												-					
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																								<u> </u>
CBVn:	SPACE	· v	FNTII	ATF	- ا	7	ΕX	HAUST	red [
CIOTAL	JI NOL		ENTI		_	_		HAUST	_															

2.2 BUILDING FLOOR PLAN AND ELEVATION SKETCHES

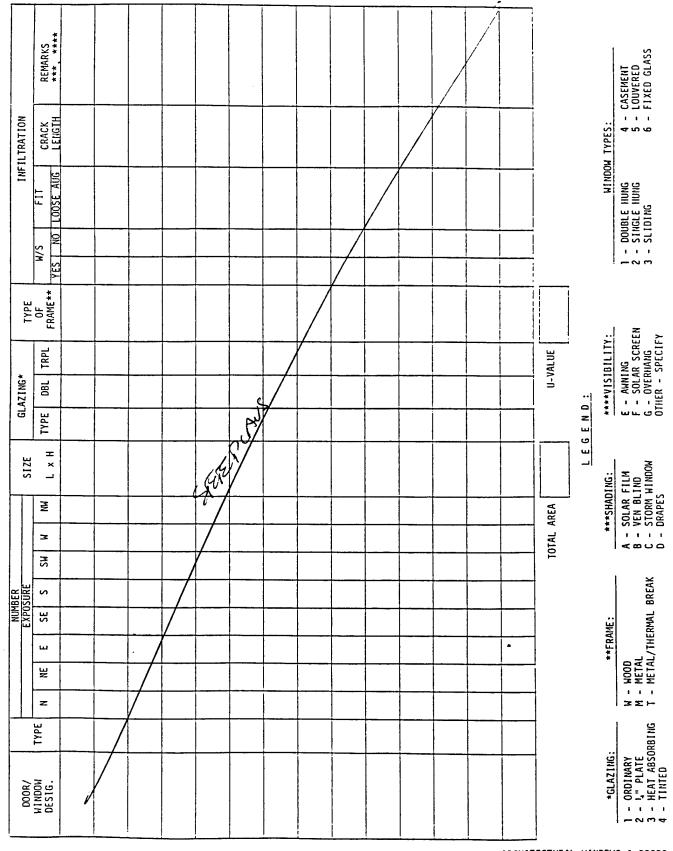
FLOOR PLAN (Show dimensions and zones)



SOUTH ELEVATION (Show floor to ceiling elevations)

·	
CAEEPUNS	
 •	
•	

BUILDING FLOOR PLAN AND ELEVATION SKETCHES



BUILDING ENVELOPE				LOCATION BLDG. NO	
CONSTRUCTION	•			_	
[(******	TYPE: F	_
WALL	COLOR: D] M 🕢 L	ROOF (INCL. CLG.)	COLOR: D	
MATERIAL	THICKNESS (IN.)	R VALUE	MATERIAL	THICKNESS (IN.)	R VALUE
OUTSIDE FILM		0.68	OUTSIDE FILM		6.6
auco	·	0.39	But up Rose		633
Franco 116. 8"CMU	11/2"	7	SPARTE 4" BATT		_06
8"CMG		1.04	4" BATT		13
			tempe Ne		1.2
INSIDE FILM		02/	INSIDE FILM		U. L
110100 1101	TOTAL	0.25 9.36		TOTAL	16.1
		9·Xo	<i></i>		1)(1
U-FACTOR O. 1	AREA		U-FACTOR O. O	6 AREA	
017			<u>L</u>	<u> </u>	
FLOOR			DOOR		
	THICKNESS (IN.)	R VALUE	DOOR	THICKNESS (IN.)	R VALUE
FLOOR		R VALUE		THICKNESS (IN.)	R VALUE
FLOOR MATERIAL		R VALUE	MATERIAL	THICKNESS (IN.)	R VALUE
FLOOR MATERIAL		R VALUE	MATERIAL	THICKNESS (IN.)	R VALUE
FLOOR MATERIAL		R VALUE	MATERIAL	THICKNESS (IN.)	R VALUE
FLOOR MATERIAL		R VALUE	MATERIAL	THICKNESS (IN.)	R VALUE
FLOOR MATERIAL		R VALUE	MATERIAL	THICKNESS (IN.)	R VALUE
FLOOR MATERIAL		R VALUE	MATERIAL	THICKNESS (IN.)	R VALUE
MATERIAL OUTSIDE FILM		R VALUE	MATERIAL OUTSIDE FILM	THICKNESS (IN.)	R VALUE
MATERIAL OUTSIDE FILM	THICKNESS (IN.)	R VALUE	MATERIAL OUTSIDE FILM		R VALUE

'3.1 HEATING EQUIPMENT

Heat Source: Furnace Steam Hot Water Heat Supplied Steam or Hot Water Other Other Description Other Steam Other
Capacity: 300 MBtu/Hr orBoiler HP orLbs/Hr Steam orGPM Hot Water
Manufacturer: Burnitam Model No.: 4 NW-63-SPL-0-GPL
Boiler/Furnace Control: Manual Time Clock Demand EMCS 02 Trim
Operating Temperature: 192 °F Operating Pressure: PSI
Fuel: Nat. Gas Only Nat. Gas/ Draft: Forced XOther (Specify) Function Induced
Burner: Mfg. Buy2N104M Model No. PUb. 1-0-03 Metering Equipment: Yes X Ho
Operating Schedule: Weekdays: From To Hr/Day
CONT- Weekdays & Holidays: From To Hr/Day
Operating Season: From Mon/Day, to Mon/Day
Flue Gas Temperature:°F Receiver Tank Conditions: PSIG°F
If supplied Steam Steam Pressure PSI Hot Water Supply Temp. °F Hot Water Return Temp. °F or Hot Water Return Temp.
Insulation: (1) Boiler (2) Other (Specify)
Poor Area FT ² Poor Area FT ²
None Temp. °F None Temp. °I
Pump: No. of Pumps V/PH/FLA/
Mfg. 1544 Model HP 1/3 RPM 1752
HW Pump Starter: HOA Reset P/B S/S Push Button Interlocked with Boiler? Yes N
FOR LARGE BOILERS (over 6,000 MBTUH): Combustion Control Mfg. Model
Condensate Pumps/Hot Water Pumps: Mfg. Model HP
Boiler/Furnace Condition:
Describe
Occupant Discomfort (Evaluate):

LOCATION	FHL
BLDG. #O.	210

3.2 COOLING EQUIPMENT

COMPRESSOR(8)/CHILLER	COOLING TOWER		
Manufacturer INANE	Gravity		
Model No. CGABCZ56AS10F3	Mech. Draft		_/
Size	Manufacturer		
Refrigerant R-27	Model No.		
Motor HP (if available)	Type of Fan	JR.	
Motor Voltage 2001/34	Fan RPM	11'	
Motor FLA 86	Fan Motor HP		
Measured Amps	Fan Motor Voltage		
CONDENSER/CONDENSING UNIT	Fan Motor FLA		
Water Cooled	Measured Amps		
Air Cooled	CHILLED WATER PUMPS (If	more than on	e how many
Evaporative	operative during normal		
Manufacturer	Manufacturer	B+4	CA HYDRWALL
Model No.	Model No.	185011	11/2AB
Size	Capacity Gals.		SOGPM
Type of Fan	Head, Ft.		40 157
Fan Motor HP 3e14P	Motor HP	1/2	1/2
Fan Motor Voltage 2001/34	Motor Voltage	2087	2081
Fan Motor FLA 4.1	Motor FLA	4.8	4.85
Measured Amps	Measured Amps RPm	1745	1750
CONDENSER WATER PUMPS (If more than one, how ma	ny operate on normal operation:)	
Manufacturer			
Model No			
Capacity, Gals.			
Head, Ft			
Motor HP			
Motor Voltage			
Motor FLA			
Measured Amps			
REMARKS:			·

3.3 AIR HANDLING EQUIPMENT

FANS				
Type	Bus 17thu			
Unit/Zone	# ALL- 7 ZONES	<u> </u>	<u>#</u>	_
Manufacturer	TRALLI			
Model No.	CLCH			
Туре	CCBB25CEGLO			
RPM of Fan				
Motor HP >n@(OLT 10HP	RETURN FAN		
Motor Volts	230/34	TRANE M/N 27B-	9-145	
Motor FLA	27			
Measured Amps		/		
CFM (from Plans)				
Notes				
COILS				
Indicate capacities	where found:			
	COOLING		HUMIDIFICATION	
	DX		ELEC	
	H ₂ 0		STEAM	
	OTHER		Н ₂ 0	
	HEATING		OTHER	/
	GAS		AUX/MISC OTHER	
	н ₂ 0			
	OTHER			
			7	
FILTERS				
Туре	-			
Condition	heo			
Manometer Reading <u>1</u> /				

1/ Record only if manometer is installed on the unit.

DOMESTIC HOT WATER HEATING SYSTEM / EQUIPMENT a. Is System Supported from (check one): | Central Plant ____One System per Building Several Small Systems per Building b. Domestic Hot Water Temperatures provided: 110 c. Average Pipe Sizes of All HW Piping and Approximate Run of Each: 60 FT d. Is Piping System Insulated and Condition: e. Is Hot Water Circulated? ______ 7155 1) Condition of circulator 400 3) Is aquastat provided? 2) Circulator capacity 30 GPMC 15 FT 4) Aquastat temperature setting 10 DOMESTIC HOT WATER HEATING EQUIPMENT (If more than one location, list each one) a. Location Areas Served BXX 241, 11-81-256 Manufacturer and Model d. Energy (Oil, Gas, Electric, Coal, Etc.) e. Type Heaters & Quantities: 1) Storage 2) Instantaneous 3) Semi-Instantaneous f. Heater Size and Storage Capacity 100 GAL Heating Capacity

1400

110

う*つ*

4,25

Type Controls (Air, Steam, Electric)

Average Water Maintained Temperature

Temperature Differential (j) - (k)

Is Hot Water Supply Adequate:

n. Insulation Thickness
O. Insulation Material

When Installed & Condition Heater Temperature Setting

LOCATION	FHL
BLDG. NO	210

5	CONTROL/MISCELLANE	OUS PROCESS/SKETCH	<u>ES</u>				
	CONTROL SYSTEM: CONTROLLERS:	ELECTRIC ELECTRONIC	PNEUMATIC	OPERATION:	MANUAL CONTINUOUS DEMAND	TIME CLOCK	
	MFG		MODEL		LOCATION		
			OBLEMS AS REQUIRED):				
				The second secon		~. 4-hor.	
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•	D-10 2	in conter o	one ob blo	ly = som	e contrôl	set 67°F	
	M-1 (ER)	some	set 90°F.				
	outer, ne	er N-1;	set 85°				
				- Ann Alla	es set	pt, not found	?

3.

121	Interior	Lighting
4.4.1	Interior	Lighting

BLDG.

14. July 1

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LIGHTING	SN I											3	LOCATION			BLDG. 2	0)2
TASK	K FIXTURE E TYPE	•		LAMPS NUMBER PER OF FIXTURE FIXTURES	TOTAL WATTS	HOURS/ DAY ON	DAYS/ YEAR ON	LIGHTING AREA SERVED	FLOOR AREA SERVED	WATTS PER SQ.FT.	MEASURED ILLUMI - CEILING NATION HEIGHT	CETL ING HEIGHT	COLORS	FINISH E E E E E E E E E E E E E E E E E E E	WINDOW	REMARKS	
		WATTS	S WATTS/ FIXTURE	·				(KWH/YR) (FT ²)		(W/FT ²)	(FC)	(FT)		_		(LIGHTS/SWITCH)	
1 3 2 2 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	1) 10 months	54/3		٦													Т
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C-15	1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1	1,7/2	5/2	2													
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771-7 C-174	Tours Programmer	54/7	2/2	-													$\overline{}$
6-12-2	2,0,1	15/3,	4/2	2													
C-11	7 7	F135	2,5	۲													
	TOTAL BUILDING LIGHTING ENERGY	1LDING ENERGY															
							 1	LIGHTING	2 N	LEG	END:			•			

<u>LIGHTING</u>
4.2.1

Recessed = R Suspended = S Ventilated = V Pole Mounted = PM Other--Describe

1 = Corridors 6 = Offices-drafting 12 = Storage room 2 = Kitchens 7 = Laundry 13 = Retail store 3 = Dining 8 = Toilets (Px, commissary) 4 = Offices-general 9 = Sleeping quarters Other (describe on 5 = Offices-bookkeeping 10 = Supply rooms audit form) (ledgers only) 11 = Repair shops E = Exterior

If there are windows, indicate:

Window Code:

Lamp Types:

Fixture Types:

Curtains = C Shades = S No Shading = NS

Incandescent = I Fluorescent = F Sodium Vapor = SV Mercury Vapor = MV Metal Halide = MH Other--Describe

Tasks Code:

TASK FIXTURE LAPPS NUMBER TOTAL HOURS) DAYS LIGHTING TOTAL HOURS DAYS LIGHTING LIGHTING TOTAL HOURS DAYS LIGHTING	• <u>. </u>	4.2.1 Interior	Lighti	ng										
TASK FIXTURE LAMP NUMBER TOTAL HOURS DAYS LIGHTING FIXTURE LAMP FIXTURE LAMP FIXTURE LAMP FIXTURE LAMP FIXTURE LAMP FIXTURE LAMP FIXTURE LAMP FIXTURE LAMP FIXTURE LAMP LAMP FIXTURE LAMP L		REMARKS	(L1GH13/3M11CH)									-		
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TASK FIXTURE LAMP LAMPS NUMBER TYPE FIXTURE LAMP FIXTURE LAMP FIXTURE LAMP FIXTURE LAMP FIXTURE LAMP	'FI	N ON LINE	و	-	<u> </u>			 						
TASK FIXTURE LAPP LAPPS NUMBER TOTAL HOURS/ DAYS LIGHTING FLOOR WATTS MA	<u> </u>	S												
TASK FIXTURE LAPP LAPPS NUMBER TOTAL HOURS/ DAYS LIGHTING FLOOR WATTS MA	CATIC	00 O O O O O O O O O O O O O O O O O O	<u> </u>	 										
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TASK FIXTURE LAMP LAMPS NUMBER TOTAL HOURS DAYS		FLOOR AREA SERVE												
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		FIXTURE	2	2					2		•		7)	IL BUILDI TING ENE
	LIGHTING	TASK CODE		C13				C3.	c-1 otfa6	المؤدونف	1	M-1217	1.2 41 Ers Pel	TOTA LIGH

LEGEND: LIGHTING

If there are windows, indicate: Curtains = C Shades = S No Shading = NS Incandescent = I Fluorescent = F Sodium Vapor = SV Mercury Vapor = MV Metal Halide = MH Other--Describe Lamp Types: Recessed = R Suspended = S Ventilated = V Pole Mounted = PM Other--Describe Fixture Types:

Window Code:

Tasks Code:

12 = Storage room 13 = Retail store

(Px, commissary)
Other (describe on audit form)
E = Exterior

LIGHTING 4.2.1

4.2.1 Interior Lighting

0/2

BLDG.

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LOCATION

0

9) - 2

152

9- 4017

50 people

四十 人口

(LIGHTS/SWITCH) REMARKS WINDOW CODE m -100 & FINISH 3 K _ _ O M → → F C m 70,0 % COLORS 34 J J OMMUNE ILLUMI- CEILING NATION HEIGHT (FI MEASURED EGEND (F) WATTS PER SQ. FT. (W/FT²) FLOOR AREA SERVED G (KWH/YR) (FT²) LIGHTIN LIGHTING DAYS/ YEAR ON HOURS/ DAY ON TOTAL Watts FIXTURE FIXTURES AND MATTS/ NUMBER OF 0 0 V য J 'n ζ, ~ 2 ٦ ١٢٠, 12/ '8 'Y 12, 78. 12 γ._γ. 4 A LAMP TYPE AND WATTS TOTAL BUILDING LIGHTING ENERGY ٢ 17 1,-12 7 17 17 乊 1 " 7 FIXTURE TYPE 9 9 ہے یے \mathcal{C} یے σ پ ہے P φ Treesmal ! (4/1/4) LIGHTING 1.1.1.10 ,ζ.×. (- w Lundi الما*ؤد وال*مار م (M-7) **₽**-¥ کے کے 4-10 TASK 上京とい かった (Perliant : -≥

LIGHTING 4.2.1

Recessed = R Suspended = S Ventilated = V Pole Mounted = PM Other--Describe

(Px, commissary)
Other (describe on audit form)
E = Exterior

Corridors 6 = Offices-drafting
Kitchens 7 = Laundry
Dining 8 = Toilets
Offices-general 9 = Sleeping quarters
Offices-bookkeeping 10 = Supply rooms
(ledgers only)

1 1 1 1 1

If there are windows, indicate:

Window Code:

Lamp Types:

Fixture Types:

Curtains # C Shades # S No Shading # NS

Incandescent * I Fluorescent # F Sodium Vapor # SV Mercury Vapor # MV Metal Halide # MH Other--Describe

12 = Storage room 13 = Retail store

Tasks Code:

200

BLDG.

_	LIGHTING													1				7
••					Ī									COLORS	FINISH	_		
·	TASK	FIXTURE	LAMP	LAMPS	NUMBER	TOTAL	HOURS/ DAY	DAYS/ YEAR	LIGHTING ENERGY	FLOOR AREA SERVED	WATTS PER SO.FT.	MEASURED 11LUMI - CEILING NATION HEIGHT	SETL ING HETGHT	- A & -		F WINDOW	REMARKS	
	3005	¥ .		FIXTURE FIXTURES AND WATTS/ FIXTURE	TXTURES		5		(KWH/YR) (FT ²)		(W/FT ²)	(FC)	(FT)		- z o	ο α	(LIGHTS/SWITCH)	
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<u>LIGHTIN</u>		Recessed # R Suspended # S Ventilated # V Pole Mounted # PM OtherDescribe	d = R d = S d = V d = PM cribe	•	Lamp Types: Incandescent Fluorescent Sodium Vapor Metcury Vapor Metal Halide		SV XV XV	If ther from Cur	Window Code: If there are windows, indicate: Curtains = C Shades = S No Shading = NS	Si Si	- 2 2 4 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	# Corridors 6 # Kitchens 7 # 7 # Pining 8 # # Offices-general 9 # Coffices-bookkeeping 10 # (ledgers only)	neral okkeepin nly)		Offices-drafting Laundry Toilets Sleeping quarter Supply rooms Repair shops	Offices-drafting Laundry Toilets Sleeping quarters Supply rooms Repair shops	12 = Storage room 13 = Retail store (Px, commissary) Other (describe on audit form) E = Exterior	

LIGHTING 4.2.1

MATTS HEASURED COLORS FINISH L D L D D D D D D D	
MATTS HEASURED COLORS FINISH L D L D D D D D D D	Other (describe on audit form) E = Exterior
COLORS FINISH ED COLORS FINISH ED SQ.FT. MATION HEIGHT L O	
COLOID MATTS MATTS MATTS MATTON HEIGHT L L L L L L L L L L L L L	Sleeping quarters Supply rooms Repair shops
MATTS ILLUMI- PER NATION SQ. FT. (FC) (W/FT ²) (FC) G. L. E. G. E. N. D.: 3 = Dining SED SQUEE	
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849 8	
DAS E	
LIGHTI ENERG (KMH/Y (KMH/Y LIGH LIGH LIGH dow Code	Curtains = C Shades = S No Shading = NS
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NUMBER TO OF FIXTURES WAS A STATUS OF STATUS O	Sodium Vapor = . Mercury Vapor = Metal Halide = OtherDescribe
AND THE BRIDGE OF THE PERSON O	S = 35
TYPE AND TYPE TYPE AND TYPE TYPE TYPE AND TYPE TYPE AND TYPE TYPE TYPE TYPE TYPE TYPE TYPE TYPE	ed = V ed = PM scribe
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2.2 BUILDING FLOOR PLAN AND ELEVATION SKETCHES

	Refer to as-built plous - morhing	
THE EVENTION (Char. 6	toom to coiling elevations)	
IH ELEVATION (200M +	loor to ceiling elevations)	
	·	

BUILDING FLOOR PLAN AND ELEVATION SKETCHES

Refer to As-built plans - mesh-up

LOCATION FAL BLDG. 110. 212 ARCHITECTURAL WINDOWS & DOORS Refer to As-built places - moth-up REMARKS - CASEMENT - LOUVERED - FIXED GLASS CRACK INFILTRATION WINDOW TYPES: 460 LOOSE AUG DOUBLE HUNG SINGLE HUNG SLIDING YES | NO N/S . . . TYPE OF FRAME** ****VISIBILITY:

E - AWNING
F - SOLAR SCREEN
G - OVERHANG
OTHER - SPECIFY U-VALUE DBL TRPL GLAZING* GEND: TYPE A - SOLAR FILM
B - VEN BLIND
- STORM WINDOW
D - DRAPES × ***SHADING: TOTAL AREA ₹ 3 **4800** SE W - WOOD M - METAL T - METAL/THERMAL BREAK NUMBER EXPOSURE S SE **FRAME: ш 띭

.2.3

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TYPE

DOOR/ WINDOW DESIG.

ARCHITECTURAL WINDOWS & DOORS

1 - ORDINARY 2 - 1₄" PLATE 3 - HEAT ABSORBING 4 - TINTED

*GLAZING:

ALL	COLOR: D] M L	ROOF	(INCL. CLG.)		=] p []
MATERIAL	THICKNESS (IN.)	R VALUE	MATI	ERIAL	THICKNESS	(IN.)	R VALUE
OUTSIDE FILM			оит	SIDE FILM			
· · · ·				- ·			
INSIDE FILM			INS	IDE FILM			
	TOTAL				<u> </u>	TOTAL	
J-FACTOR	AREA		U-FAC	TOR		AREA [
FLOOR 806			DOOR	Hefal			
			 :				
MATERIAL	THICKNESS (IN.)	R VALUE	MAT	ERIAL	THICKNESS	(IN.)	R VALUE
MATERIAL OUTSIDE FILM	THICKNESS (IN.)	R VALUE		ERIAL SIDE FILM	THICKNESS	(IN.)	R VALUE
	THICKNESS (IN.)	R VALUE			THICKNESS	(IN.)	R VALUE
	THICKNESS (IN.)	R VALUE			THICKNESS	(IN.)	R VALUE
	THICKNESS (IN.)	R VALUE		SIDE FILM	THICKNESS	(IN.)	R VALUE
	THICKNESS (IN.)	R VALUE	OUT		THICKNESS	(IN.)	R VALUE
OUTSIDE FILM	THICKNESS (IN.)	R VALUE	OUT	SIDE FILM	THICKNESS	TOTAL	R VALUE

LOCA	TION	PHC
BLDG.	NO.	212

3.1	HEATING EQUIPMENT			BLDG. ii0. 212
		•	.	
	Heat Source: Furnace Steam Hot Water Boiler Boiler		pplied Steam or Hot Water ternal Boiler Plant)	Other
•	Capacity: 168 M Btu/Hr or	Boiler HP or	Lbs/Hr Steam	orGPM Hot Water
	Manufacturer: LÉNNDX			
	Boiler/Furnace Control: Manual	Time Clock	Demand	EMCS 02 Trim
	Operating Temperature:	°F	Operating Pressure:	PSI
	Fuel: Nat. Gas Only Nat. Gas/ Other (Specify) PMPANE		Draft:	Forced Induced
	Burner: Mfg	Model No	Meteri	
	Operating Schedule: Weekdays:	From	To	Hr/Day
	Weekdays & Holidays:			Hr/Day
	Operating Season:	From	Mon/Day, to	Mon/Day
	Flue Gas Temperature: •F	Receiver Tank Cond	itions:	PSIG °F
	If supplied Steam Steam Pressure Insulation: (1) Boiler	PSI Hot Water Supp	ly Temp°F Hot (2) Other (Specify)_	
	Poor Area seeple	lows frust's	FT ² Poor Area_	FT ²
	None : i Temp	-	_°F None	•F
	Pump: No. of Pumps NOW	-	V/PH/FLA	<i></i>
	Mfg	Model_	 '	IPRPM
	HW Pump Starter: HOA Rese			vith Boiler? Yes No
	Dauges seem to	melecoully	whom on -	astection _
	Could not course	dono	A colo	
	Danifies seam to	both be	n HUNCH	lander -
	readjust and ches	& dany	u actuator	for _
	correct operation,			
	•			

3.2 COOLING EQUIPMENT

OMPRESSOR(S)/CHILLER	COOLING TOMER
Manufacturer LtnvoX	Gravity ————
Model No. HSG-13:3V-7L	
Size	Manufacturer ———————————————————————————————————
Refrigerant 7-22	Model No
Motor HP (if available)	
Motor Voltage 2081/3¢	Fan RPM
Motor FLA 42.8	Fan Motor HP ————
Measured Amps	Fan Motor Voltage
measured minps	Fan Motor FLA
CONDENSER/CONDENSING UNIT	Measured Amps
Water Cooled	CHILLED WATER PUMPS (If more than one, how many
Air Cooled	operative during normal operation:)
Eyaporative	
Manufacturer	Manufacturer
Model No.	Model No
Size	Capacity Gals.
Type of Fan	Head, Ft.
Fan Motor HP 2e 2HP	
Fan Motor Voltage 2087/14	Motor Voltage
Fan Motor FLA 3.4	Motor FLA
Measured Amps	Measured Amps
CONDENSER WATER PUMPS (If more than one, how	many operate on normal operation:)
Manufacturer	
Model No	
Capacity, Gals.	
Head, Ft.	
Motor HP	•
Motor Voltage	
Motor FLA	<u> </u>
Measured Amps	
REMARKS: DX Coil ones 4	PAF's, and unit outsite-
où cooled	

3.3 AIR HANDLING EQUIPMENT BLDG. 10

LOCATION FIL
BLDG. NO. 24

FANS Type	Z WARM AIR/DX	Monit Rm EXIMAST	WOYMANS RM	
Unit/Zone	#	#		
Manufacturer	LEHNOX		•	<u> </u>
Model No.				
Туре				
RPM of Fan				
Motor HP	3/4	1-anc-	Frac.	
Motor Volts				
Motor FLA				
Measured Amps				
CFM (from Plans)				
Notes				
COILS Indicate capacities	where found:			
	COOLING		HUMIDIFICATION	
	DX		ELEC	
	OTHER			
	HEATING			
	GAS			
FILTERS	- SEU PA 3/	/		
Туре	700 101 20	•		
Condition				
Manometer Reading 1/				•
1/ 0				

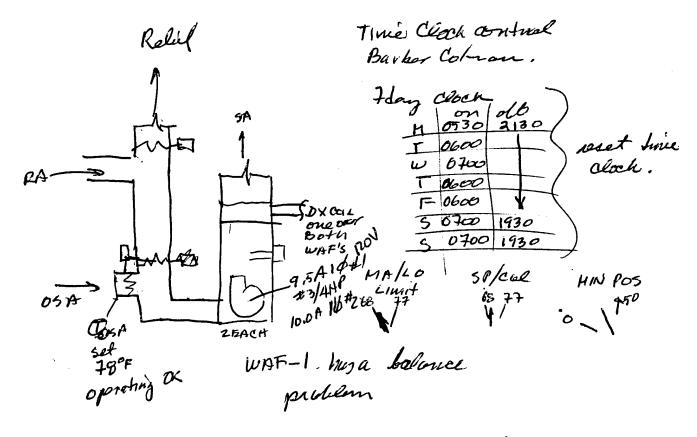
 $\underline{1}\!\!/$ Record only if manometer is installed on the unit.

,				L	OCATION	FHC
DO	MESTIC HOT WATER HEATING SYSTEM / EQUIPMEN	<u>YT</u>	•	Bl	DG 110.	212
a.	Is System Supported from (check one):		· <u></u>	-/		-
٠.	15 59500 Supported from (check one):	Central Plant		One System		_
	•	Several Small	Systems per Bu	uilding	130 F	-
b.	Domestic Hot Water Temperatures provided:		si	:		°F
c.	Average Pipe Sizes of All HW Piping and A	nomovimata D				
	and A	pproximate kun of Each	:			
						· · · · · · · · · · · · · · · · · · ·
						·
d.	Is Piping System Insulated and Condition:					
e.	Is Hot Water Circulated?					
	1) Condition of circulator					
	2) Circulator capacity					
100	NESTIC HOT WATER HEATING EQUIPMENT (If more					
	THE THE PROPERTY OF THE PROPER	e than one location, in	ist each one)			
a.	Location	Mech Cur	- 		-	
b.	Areas Served		·_ 			
c.	Manufacturer and Model Amillion	APPLIANCE MEG MA	75-804		····	
đ.	Energy (Oil, Gas, Electric, Coal, Etc.)	Propone			· · · · · · · · · · · · · · · · · · ·	
e.	Type Heaters & Quantities:	,				
	1) Storage	/				
	2) Instantaneous		-			
	3) Semi-Instantaneous	0				
f.	Heater Size and Storage Capacity	80GAL	-			
g.	Heating Capacity	Trans fram 2.27	63.46	ALLITE 101	10 K	
h.	Type Controls (Air, Steam, Electric)					
i.	When Installed & Condition				- <u> </u>	
j.	Heater Temperature Setting					
k.	Average Water Maintained Temperature					
1.	Temperature Differential (j) - (k)					
m.	Is Hot Water Supply Adequate:					
n. O.	Insulation Thickness Insulation Material	Ту	pe			

LOCATION	FHL
BLDG. NO.	212

2	5	CONTROL/MISCELLANEOUS	PROCESS/SKETCHES

CONTROL SYSTEM:		*			_	
CONTROLLERS:	ELECTRIC ELECTRONIC	PNEUMATIC	OPERATION:	MANUAL CONTINUOUS	TIME CLOCK	
MFG		MODEL		DEMAND		
CONDITION (GIVE D		BLEMS AS REQUIRED):		vale 1 Dans	''	
	meul	to 3/4"C	<u>'</u>	on os A	no luies	
		have the	<u> </u>	appear to	he seatou	Arng ——
		from HT.				



Both Furneces hour mests filles donot cover sut ne flow one a - are clean, but not doning the job.

CONTROL/MISCELLANEOUS PROCESS/SKETCHES

	4.2	2.1 Interio	_ r Li	ghting	1											FHC	_	212
		REMARKS	(LIGHTS/SWITCH)		LIGHTS 02 !!!	12 OKF14	Ð										11	12 = Storage room 13 = Retail store (PX, commissary) Other (describe on audit form) E = Exterior
		WINDOW		57														Uffices-drafting Laundry Toilets Sleeping quarters Supply rooms Repair shops
i	-	F 100	-													:	۱	aft quar oms
	FINISH	34.J.													-	- 3	lasks Lode:	Uffices-draf Laundry Toilets Sleeping qua Supply rooms Repair shops
	Ē	OMH1-2	ی :														. ای	Orfices Laundry Toilets Sleepin Supply Repair
	<u>ر</u>	m -10,00	-													-	Se	Supple Su
	뛵	3477														•		
	COLORS	ОШНІНІ	ی ح												1		Ţ٠	8 6 5 E
		CETLING HEIGHT	(FI	9														ping
		MEASURED ILLUMI - NATION	(FC)													E N D :		Corridors Kitchens Dining Offices-general Offices-bookkeeping (ledgers only)
		WATTS PER SQ.FT.	(W/FT ²)													L E G		2 = COT 3 = Kid 5 = Ofic (10
		FLOOR AREA SERVED	- 1							-						1 N G	1	dows.
		L I GHT I NG E NERGY	(KWH/YR) (FT ²)	,												L I G H T	Window Code:	there are windows, indicate: Curtains = C Shades = S o Shading = NS
		DAYS/ YEAR ON								-							Wind	If there ind ind Curt Sh
		HOURS/ DAY ON																I L SAN
		TOTAL			,											Const	rypes:	
		NUMBER OF FIXTURES		7	1	7	7	2		2	7	_	~			BALL	Lamp Types	Incandescent Fluorescent Sodium Vapor Mercury Vapor Metal Halide OtherDescri
		LAMPS PER FIXTURE AND		2	_		7		-\	2	1		-	_/		RAPACTBALL		, *
		LAMP TYPE AND	WATTS	434	Thoo	4 3 4 3	<u>آ</u> گ	天ら	F 34	434	1/334	35	150	HPS 7250	DING HERGY		voes:	d = R d = S d = PM cribe
		FIXTURE		~	2	~	2	2	5	5	S	\$	\ \ \	ρm	TOTAL BUILDING LIGHTING ENERGY.	SMME AS	Fixture Types:	Recessed = R Suspended = S Ventilated = V Pole Mounted = PM OtherDescribe
		TASK CODE		+	Chart 1	agne T	**************************************	2 STERWIR	(EX.)	\$ \$	3,8	200	YWW.Z	, y 9 .	23	*	ú	200

LIGHTING

LIGHTING 4.2.1

4.2.1 Interior Li		PAL ZIZ
REMARKS (LIGHTS/SWITCH)		12 = Storage room 13 = Retail store (Px, commissary) Other (describe on audit form) E = Exterior
ISH F WINDOW CODE		fting arters s
COLORS COLORS I L M L L L C O O L L C O O L C C O C C C C C		Tasks Code: 6 = Offices-dra 7 = Laundry 8 = Toilets 9 = Sleeping qu 9 10 = Supply room 11 = Repair shop
ASURED LLUMI - CEILING ATION HEIGHT (FC) (FT)		LEGEND: = Corridors
WATTS PER SQ.FT.		7 -2648
FLOOR AREA SERVED /YR) (FT ²)		L I G H T I N G ow Code: are windows, tcate: ains = C ades = S ades = NS
l l		Window Code: If there are windows, indicate: Curtains = C Shades = S No Shading = NS
HOURS/ DAY ON		AS A A
The second secon		Lamp Types: Incandescent = Fluorescent = Sodium Vapor = Mercury Vapor = Metal Halide = OtherDescribe
		Ner Soc Ott
	(Fixture Types: Recessed = R Suspended = S Ventilated = V Pole Mounted = PM OtherDescribe
TASK F1X	MAC)	Fixtu Fixtu Sust
	FIXTURE LAMP CAMPS NUMBER TOTAL HOURS/ DAYS/ LIGHTING AREA PER TYPE TYPE TYPE AND MATTS NATTS ON (FIZ.) [M/FT2] (FC) (FT) G (FT)	FITTURE LAMP LAMPS NUMBER TOTAL HOURS, DAYS, LIGHTING FLOOR MATTS HEASINED COLORS FINISH TYPE FATURE FLAURE FITTURES WITS ON ON VEAR EMERGE SERVED STRING FLOOR HEIGHT A D L 1 A D COLORS FINISH AND THE FATURE FLAURE

Fiductua

4.2.1 Interior Lighting

LIGHTING 4.2.1

LOCATI	ON	FAL.	
BLDG.		212	

Des	cribe:	le_	
•			
			·
3 2 DF	CEPTACLES IN USE	PERCENT	
	ALL APPLIANCES IN U	· · · · · · · · · · · · · · · · · · ·	
	Water Cooler Vending Machine Space Heater Coffee Pot TV XEROX		

ATION	FHL	*****	SURVEYED BY	RJB/	31H /Dec	DATE 2250CF
DING NUMBER	219		FUNCTION/US	E_GYM	, Weight	DATE 225 OCT POOM, SWIMM FOOL
RMATION SOL	IRCE (DWG. NO	./PERSON)	Inspection	nf Spo	of DIREC	for
RAL BUILDIN	IG DATA					
BUILDING AG	SE:	YE/	ARS ROLL			
DUPLICATE E	BUILDING NOS:		none			
**						TOTAL:
SIMILAR BU	ILDING NOS: _		nore			***************************************
			51 -73-UF		##FT T.	TOTAL:
BUILDING O	CCUPANCY:	C	ONTINUOUS (24 HRS/	DAY)		OF OCCUPANTS
Indica	te (number a	d) duration	of occupants each	n day	Pool 11	-1800 Idwas
м					10-12	ed - ma um
7				NAMA	Blu 1	
w				Basker	600 600	ue
т			1 1.		it Room	
F						
s				7-2.B	ostetBall	
s				5 G	ones	
0	2	6	8 10	12 14 12-16	16 18	20 22 24
MISCELLANE	OUS EQUIPMEN	r:		12 11		lond,
Swimm	na Pool s	norm	ally close	10ct,	three Mid-	April
	Her La		~ V	for fu	it 2 to	zifz months
	hum	ed o	1.			
********	00111151175		ne .			
ADDITIONAL	CUMMENIS, C	KIIICAL LUAL	os:			
						
CRAWL SPAC	CE: VENTILA		EXHAUSTED 5	06		

LOCATION	FHL
BLDG. NO.	219

,	,	2	BUI	LDING	FL00R	PLAN	AND	ELEVAT	ON: S	KET	<u>CHES</u>

		Refer to	plons			
		•				
	62 40	an alouations)				
TH ELEVATION (Show						
	Re	fer to plo	m			
•		<i>F</i> - <i>F</i> - <i>F</i>		•		
•						

	REMARKS ***, ***						·										: - CASEMENT - LOUVERED - FIXEO GLASS	
INFILTRATION	CRACK LENGTH																MINDOW TYPES: JNG 4 - C	
INFI	FIT LOOSE AUG		dag	Loose													MINDON 1 - DOUBLE HUNG 2 - SINGLE HUNG 3 - SLIDING	
	W/S YES NO		7	7		/											1 - DOU 2 - SIN 3 - SLI	
, BE	OF FRAME**					•												
-						⋨									<u> </u>		****VISIBILITY: E - AWNING F - SOLAR SCREEN G - OVERHANG	CIFY
*9N	DBL TRPL														U-VALUE		****VISIBILITY: E - AWNING F - SOLAR SCREE G - OVERHANG	R - SPE
GLAZING*	TYPE															LEGEND:	#	OTHE
21.10						\$2×										L E G	_ 3	
					_	1								-			***SHADING: - SOLAR FILM - VEN BLIND	PES
	M.		لعن)									TOTAL AREA		***SI - SOL - VEN	- DRA
	AS.	 	1. 451								-				Þ		IKEC	0
BER	S	1)	1	0												90504	סאכאא
NUMBER	SE																**FRAME: - WOOD - METAL	ונאויאר
	ш		76	_							ļ			•			**FB	14L/ 14
	W.						-		-				-	-		•	X	ا آ
	2	1	-	_	9	<u> </u>		ļ		ļ	-	-			_		132)	-
_	TYPE	Cores	(Box		~		-			-							. u .	SOKBIE
2000	NINDOW DESIG.	no wind	Bouldens	Single held	714 all 216	41701	walk.										*GLAZING: 1 - ORDINARY 2 - 1," PLATE	3 - HEAT AB: 4 - TINTED

UILDING ENVELOPE					$\frac{FH}{219}$
CONSTRUCTION				TYPE: F	
IALL GYM	COLOR: D	M L	ROOF (INCL. CLG.)	COLOR: D	
MATERIAL	THICKNESS (IN.)	R VALUE	MATERIAL	THICKNESS (IN.)	R VALUE
OUTSIDE FILM		0.25	OUTSIDE FILM		0.Z
&"CONCRETE	- 8"	2.18	CONC. SLAB		0.8
Ruch			RIGIO INSAL.	۱٬	4.00
ALMSTIC PAN	ELS	1.00			
INSIDE FILM		. 68	INSIDE FILM		.68
	TOTAL	4.11		TOTAL	5.7
		1 1			
U-FACTOR D.			U-FACTOR (). 1-		
FLOOR SOCIELIN	no/Commale		DOOR Red Web	2	R VALUE
FLOOR SOCRLIN			DOOR Red Web	<u>/</u> i	R VALUE
FLOOR SOCIELIN	no/Commale		DOOR Red Web	2	R VALUE
FLOOR SOCRLIN	no/Commale		DOOR Red Web	2	R VALUE
FLOOR SOCRLIN	no/Commale		DOOR Red Web	2	R VALUE
FLOOR SOCRLIN	no/Commale		DOOR Red Web	2	R VALUE
FLOOR SOCRLIN	no/Commale		DOOR Red Web	2	R VALUE
FLOOR SOCRLIN	no/Commale		DOOR Red Web	2	R VALUE
FLOOR SOCRLIN	no/Commale		DOOR Red Web	2	R VALUE
MATERIAL OUTSIDE FILM	no/Commale	R VALUE	DOOR Red Web	2	
MATERIAL OUTSIDE FILM	THICKNESS (IN.)	R VALUE	DOOR Red Web	THICKNESS (IN.)	<u> </u>

LOCATION FHL BLDG. NO. 219
eter Other
team orGPM Hot Water
EMCS 0 ₂ Trim
PSI
Forced Induced Stering Equipment: Yes So
Hr/Day
Hr/Day
oMon/Day
PSIG°F
Hot Water Return Temp°F
fy)
reaFT2
emp
UD DDW
HP RPM RPM No
Model

Heat Source:				
Furnace Steam Hot Water Boiler	Heat Sup	plied Steam or Hot W ternal Boiler Plant)	laterOther_	
650IN METH				
Capacity: 520 Out MBtu/Hr or	Boiler HP or	Lbs/Hr S	Steam or	GPM Hot Water
Manufacturer: BRYAN		Model No.: FN	-650-W-L	PGI
Boiler/Furnace Control: Manual	Time Clock	Demand	EMCS	O ₂ Trim
Operating Temperature: &D	°F	Operating Pressure	::	PSI
Fuel: Nat. Gas Only Nat. Gas/		Draft:	Forced	
Dther (Specify) Propane			Induced	
Burner: Mfg	Model No	M	letering Equipment	: Yes lo
Operating Schedule: Weekdays:	From	To	Hr/Day	
Weekdays & Holidays:		То		
Operating Season:		Mon/Day,		
Flue Gas Temperature:°F				-
If supplied Steam Steam Pressure				n Temp°F
If supplied Steam Steam Pressure Or Hot Water: Steam Pressure Insulation: (1) Boiler	PSI Hot Water Suppl	y Temp°F	Hot Water Return	n Temp°F
If supplied Steam Steam Pressure	PSI Hot Water Suppl	y Temp°F	Hot Water Return	
If supplied Steam Steam Pressure Or Hot Water: Steam Pressure Insulation: (1) Boiler	PSI Hot Water Suppl	y Temp°F (2) Other (Spec	Hot Water Return ify) Area	
If supplied Steam or Hot Water: Steam Pressure Insulation: (1) Boiler Poor Area None Temp	PSI Hot Water Suppl	y Temp°F (2) Other (Spec	Hot Water Return ify) Area Temp.	FT ²
If supplied Steam or Hot Water: Steam Pressure Insulation: (1) Boiler Poor Area None Temp. Pump: No. of Pumps	PSI Hot Water Suppl	y Temp°F (2) Other (Specent Properties of the Properties of	Hot Water Return ify) Area Temp/	FT ²
If supplied Steam or Hot Water: Steam Pressure Insulation: (1) Boiler Poor Area None Temp	PSI Hot Water Suppl	y Temp°F (2) Other (Spec FT ² Poor' °F None	Hot Water Return ify) Area Temp. HP	FT ² ^
If supplied Steam or Hot Water: Steam Pressure Insulation: (1) Boiler Poor Area None Temp Pump: No. of Pumps Mfg	PSI Hot Water Suppl Model t P/B S/S Push	y Temp. °F (2) Other (Specential Specential	Hot Water Return ify) Area Temp. HP	FT ² ^
If supplied Steam or Hot Water: Insulation: (1) Boiler Poor Area None Temp. Pump: No. of Pumps Mfg. HW Pump Starter: HOA Rese	PSI Hot Water Suppl Model t P/B S/S Push	y Temp°F (2) Other (Spector) Poor None V/PH/FLA Button Interlo	Hot Water Return ify) Area Temp. / HP cked with Boiler?	FT ² °F / RPM Yes No
If supplied Steam or Hot Water: Insulation: (1) Boiler Poor Area None Temp. Pump: No. of Pumps Mfg. HW Pump Starter: HOA Rese FOR LARGE BOILERS (over 6,000 MBTUH): Com Condensate Pumps/Hot Water Pumps: Mfg.	PSI Hot Water Suppl Model t P/B S/S Push bustion Control Mfg.	y Temp°F (2) Other (Spector) Poor Poor None V/PH/FLA Button Interlo	Hot Water Return ify) Area Temp. / HP cked with Boiler?	FT2
If supplied Steam or Hot Water: Insulation: (1) Boiler Poor Area None Temp. Pump: No. of Pumps Mfg. HW Pump Starter: HOA Rese FOR LARGE BOILERS (over 6,000 MBTUH): Com Condensate Pumps/Hot Water Pumps: Mfg.	PSI Hot Water Suppl Model t P/B S/S Push bustion Control Mfg.	y Temp°F (2) Other (Spector) Poor Poor None V/PH/FLA Button Interlo	Hot Water Return ify) Area Temp. / HP cked with Boiler?	FT2
If supplied Steam or Hot Water: Insulation: (1) Boiler Poor Area None Temp. Pump: No. of Pumps Mfg. HW Pump Starter: HOA Rese FOR LARGE BOILERS (over 6,000 MBTUH): Com Condensate Pumps/Hot Water Pumps: Mfg.	PSI Hot Water Suppl Model t P/B S/S Push bustion Control Mfg.	y Temp°F (2) Other (Spector) Poor Poor None V/PH/FLA Button Interlo	Hot Water Return ify) Area Temp/HP cked with Boiler?	FT2
If supplied Steam or Hot Water: Insulation: (1) Boiler Poor Area None Temp. Pump: No. of Pumps Mfg. HW Pump Starter: HOA Rese	PSI Hot Water Suppl Model t P/B S/S Push bustion Control Mfg.	y Temp°F (2) Other (Spector) Poor Poor None V/PH/FLA Button Interlo	Hot Water Return ify) Area Temp/HP cked with Boiler?	FT2
If supplied Steam or Hot Water: Insulation: (1) Boiler Poor Area None Temp. Pump: No. of Pumps Mfg. HW Pump Starter: HOA Rese FOR LARGE BOILERS (over 6,000 MBTUH): Com Condensate Pumps/Hot Water Pumps: Mfg.	PSI Hot Water Suppl Model t P/B S/S Push bustion Control Mfg.	y Temp°F (2) Other (Spector) Poor Poor None V/PH/FLA Button Interlo	Hot Water Return ify) Area Temp/HP cked with Boiler?	FT2
If supplied Steam or Hot Water: Insulation: (1) Boiler Poor Area None Temp. Pump: No. of Pumps Mfg. HW Pump Starter: HOA Rese FOR LARGE BOILERS (over 6,000 MBTUH): Com Condensate Pumps/Hot Water Pumps: Mfg. Boiler/Furnace Condition: Describe	PSI Hot Water Suppl Model t P/B S/S Push bustion Control Mfg.	y Temp°F (2) Other (Spector) Poor Poor None V/PH/FLA Button Interlo	Hot Water Return ify) Area Temp/HP cked with Boiler?	FT2

3.1 <u>HEATING EQUIPMENT</u>

). 211 (Paol)
Heat Source:					()
	Steam Hot Water Boiler Boiler	Heat Sup Pump (Ex	plied Steam or Hot ternal Boiler Plan	t WaterOther	
	M Btu/Hr or				
Manufacturer:	TELEDYNE LAR	<u>ns</u>	Model No.: Af	14301p16C01	
Boiler/Furnace Cont	crol: Manual	Time Clock	Demand	EMCS	02
Operating Temperate	ıre:	°F	Operating Pressu	ıre:	-
	Only Nat. Gas/			Forced	
X Other (Sp	pecify) Prupaus			Induced	
Burner: Mfg.		Model No		Metering Equipment:	Yes
Operating Schedule:	: Weekdays:	From_	To	Hr/Day	
	Weekdays & Holidays:	From	То	Hr/Day	
	Operating Season:	From	Mon/Day	, to	Mon
	re:°F			PSIG	
If supplied Steam or Hot Water:	Steam Pressure		ly Temp°	PSIGPSIG	n Temp
	Steam Pressure	_PSI Hot Water Supp	ly Temp	PSIG PSIG PSIG PSIG Pecify)	n Temp
If supplied Steam or Hot Water: Insulation: (1) Bo	Steam Pressure	PSI Hot Water Supp	ly Temp° (2) Other (Sp	PSIG PSIG PE Hot Water Return Pecify) Area	n Temp
If supplied Steam or Hot Water: Insulation: (1) Bo	Steam Pressure	_PSI Hot Water Supp	ly Temp° (2) Other (Sp	PSIG PSIG PSIG PSIG Pecify)	n Temp
If supplied Steam or Hot Water: Insulation: (1) Bo	Steam Pressure	PSI Hot Water Supp	(2) Other (Sp FT ² Poor '	PSIG PSIG PSIG PSIG Pecify) Area Temp.	n Temp.
If supplied Steam or Hot Water: Insulation: (1) Bo Po No. Pump: No. of Pumps	Steam Pressure	PSI Hot Water Supp	(2) Other (Sp FT ² Poor '	PSIG PF Hot Water Return pecify) Area Temp. \$7.5\sqrt{3} EFF.	n Temp
If supplied Steam or Hot Water: Insulation: (1) Bo Po No. Pump: No. of Pumps Mfg.	Steam Pressure	PSI Hot Water Supp	(2) Other (Sp FT ² Poor *F None ** 12338	PSIG PSIG PSIG PSIG PSIG PSIG PSIG PSIG PSIG PSIG	
If supplied Steam or Hot Water: Insulation: (1) Bo Po No. Pump: No. of Pumps Mfg	Steam Pressure	PSI Hot Water Supp Model LAT Net P/B S/S Pus	(2) Other (Sp FT ² Poor ' °F None ' - W/PH/FTA b : 12338 h Button Inter	PSIG PF Hot Water Return Decify) Area Temp. (7.57, EFF. HP 10 rlocked with Boiler?	/ 460√ RPM_3<20
If supplied Steam or Hot Water: Insulation: (1) Bo Po No. Pump: No. of Pumps Mfg. No. Mfg.	Steam Pressure	PSI Hot Water Supp Model LRT N et P/B S/S Pus mbustion Control Mfg	(2) Other (Sp	PSIG PSIG PSIG PSIG PSIG PSIG PSIG PSIG PSIG PSIG PATE Area Temp. HP 10 Plocked with Boiler? Model	
If supplied Steam or Hot Water: Insulation: (1) Bo Po No. Pump: No. of Pumps Mfg. 1 HW Pump Stan FOR LARGE BOILERS (1)	Steam Pressure	PSI Hot Water Supp Model LAT N et P/B S/S Pus mbustion Control Mfg	(2) Other (Sp FT ² Poor	PSIG PF Hot Water Return Decify) Area Temp. (7.5%, EFF. HP 10 rlocked with Boiler? Model	/ 460√ RPM 3520
If supplied Steam or Hot Water: Insulation: (1) Bo Po No. Pump: No. of Pumps Mfg. No. No. No. No. No. No. No. No. No. No	Steam Pressure	Model LAT Net P/B S/S Pus	(2) Other (Sp FT ² Poor	PSIG PSIG PSIG PSIG PSIG PSIG PSIG PSIG PSIG PSIG PATE Area Temp. HP 10 Plocked with Boiler? Model	/ 460√ RPM 3520
If supplied Steam or Hot Water: Insulation: (1) Bo Po No. Pump: No. of Pumps Mfg. No. No. No. No. No. No. No. No. No. No	Steam Pressure	Model LAT Net P/B S/S Pus	(2) Other (Sp FT ² Poor	PSIG PSIG PSIG PSIG PSIG PSIG PSIG PSIG PSIG PSIG PATE Area Temp. HP 10 Plocked with Boiler? Model	/ 460√ RPM 3520
If supplied Steam or Hot Water: Insulation: (1) Bo Po No. Pump: No. of Pumps Mfg. No. No. No. No. No. No. No. No. No. No	Steam Pressure	Model LRT Net P/B S/S Pus	(2) Other (Sp FT ² Poor	PSIG PSIG PSIG PSIG PSIG PSIG PSIG PSIG PSIG PSIG Area Temp. Area Temp. HP 10 Plocked with Boiler? Model	/ 460V RPM 3520 【 Yes 【

LOCATION	15HL
BLDG. NO.	219

3.2 COOLING EQUIPMENT

COMPRESSOR(S)/CHILLER	COOLING TOWER
Manufacturer	Gravity
Model No	Mech. Draft
	Manufacturer \
Refrigerant	Model No.
Motor HP (if available)	Type of Fan
Motor Voltage	Fan RPM
Motor FLA	Fan Motor HP
Measured Amps	Fan Motor Voltage
AND THE PROPERTY OF THE PROPER	Fan Motor FLA
CONDENSER/CONDENSING UNIT	Measured Amps
Water Cooled	
Air Cooled	CHILLED WATER PUMPS (If more than one, how many
Evaporative	operative during normal operation:)
Manufacturer	Manufacturer
Model No.	Model No.
Size	Capacity Gals.
Type of Fan	Head, Ft.
Fan Motor HP	Motor HP
Fan Motor Voltage	Motor Voltage
Fan Motor FLA	
Measured Amps	Measured Amps
CONDENSER WATER PUMPS (If more than one, how	w many operate on normal operation:)
Manufacturer	
Model No	
Capacity, Gals.	
Head, Ft	
Motor HP	
Motor Voltage	
Motor FLA	
Measured Amps	
REMARKS: Q EVAPORATIVE CO	OUERS - ARVIN: 1217P 2080/34
X EVAPORATIVE CO	TOTAL TOTAL TOTAL

3.3 AIR HANDLING EQUIPMENT

FANS			, ,	
Type AH1	1 - HEATING DNLT	IFAU umT (3 EALIT)	
Unit/Zone	# WEIGHT RM.	GYm .	#	<u>.</u>
Manufacturer				
Model No.	DRUBABBBBBARRYZ	- NAME PLATES	NEVO CETU.AG.	
Туре				
RPM of Fan				
Motor HP	11 ² P			
Motor Volts	208V	2081/34		
Motor FLA	-	<u> </u>		
Measured Amps		8.8A		
CFM (from Plans)				
Notes				
•				
COILS				
Indicate capacities w	where found:			
	COOLING		HUMIDIFICATION	
	DX		ELEC	
	H ₂ 0		STEAM	
	OTHER		H ₂ 0	
	HEATING		OTHER	
			AUX/MISC OTHER	
	H ₂ 0			
	ELEC			
	OTHER	· ·		
	· · · · · · · · · · · · · · · · · · ·			
FILTERS				
Туре				
Condition				
Manometer Reading 1/				

 $\underline{1}$ / Record only if manometer is installed on the unit.

<u>D</u>	OMESTIC HOT WATER HEATING SYSTEM / EQUIPM	ENT	LOCATION BLDG. NO.	774
	. Is System Supported from (check one):			
	: 15 33563 Supported From (Check one):	Central Plant	One System per Building	
		Several Small Systems	per Building	
ь.	. Domestic Hot Water Temperatures provide	d:	°F	
c.	. Average Pipe Sizes of All HW Piping and	Approximate During		
		Approximate kun of Each:		
			,	
d.	Is Pining System Insulated and Condition			
	Is Piping System Insulated and Condition			
e.				
	Tondicion of circulator	3) Is aquastat	provided?	
	2) Circulator capacity	4) Aquastat tem	perature setting	
a. b.	Location Areas Served			
b.	Areas Served			
c.	Manufacturer and Model) OTT 110 80-500 RW-3LPG		
d.	35 (011) das, electric, coar, etc.)			
e.	Type Heaters & Quantities:			
	1) Storage	512 melt Propané		
	2) Instantaneous			
	3) Semi-Instantaneous			
	Heater Size and Storage Capacity	80 Gais		
g.	Heating Capacity	465.5 GPA RELOVERY		
h.	Type Controls (Air, Steam, Electric)			
i.	When Installed & Condition			
j. L	Heater Temperature Setting			
k. 1.	Average Water Maintained Temperature	120° F		
т. т.	Temperature Differential (j) - (k) Is Hot Water Supply Adequate:			
n.	Insulation Thickness			
•••	Insulation Material		-	

CONTROL/MISCELLANEC	DUS PROCESS/SKETCHES	,			
CONTROL SYSTEM:		-			BLDG. NO. 219
CONTROLLERS:	ELECTRIC ELECTRONIC	PNEUMATIC	OPERATION:	MANUAL CONTINUOUS DEMAND	TIME CLOCK
MFG		MODEL		LOCATION	

512 crowne decrapting (LIGHTS/SWITCH) BLDG. REMARKS WINDOW CODE m --00 & S FINISH 3 K _ _ _ ¥ 1 **₩** 100 € I COLORS LOCATION MATI 4 OMILIE 7 ILLUMI - CEILING NATION HEIGHT E Roma 000 hue MEASURED 30 2 (FC WATTS PER SQ. FT. (W/FT²) FLOOR AREA SERVED (FT²) LIGHTING (KWH/YR) ENERGY Colors DAYS/ YEAR ON 200% HOURS/ DAY ON LAMPS NUMBER
PER OF
FIXTURE FIXTURES AND
WATTS/ and Sugmon 15 $\overline{\mathcal{L}}$ R 001 0 N હ AND 32 34 7 7 7 SUT 40 TOTAL BUILDING LIGHTING ENERGY FIXTURE TYPE ğ Jall Ø 5 howars noon Lockors Sons LIGHTING z z Her actor がなる · My P.W. かな

GEND ب س LIGHTING

If there are windows, Curtains = C Shades = S No Shading = NS Window Code: indicate: Incandescent = I Fluorescent = F Sodium Vapor = SV Mercury Vapor = MV Metal Halide = MH Other--Describe Lamp Types: Recessed = R Suspended = S Ventilated = V Pole Mounted = PM Other--Describe

(Px, commissary)
Other (describe on audit form)
E = Exterior 12 = Storage room 13 = Retail store 1 = Corridors 6 = Offices-drafting 2 = Kitchens 7 = Laundry 3 = Dining 8 = Toilets 4 = Offices-general 9 = Sleeping quarters 5 = Offices-bookkeeping 10 = Supply rooms (ledgers only) 11 = Repair shops

Tasks Code:

LIGHTING 4.2.1

Fixture Types:

1 ARCHITECTURE	- MISCELLANEOUS	<u>S</u>			
ÇATION	. FHL	SURVEYED BY	- B/H	· RTB	DATE 100792
LDING NUMBER	229 \$ 229 A	FUNCTION/USE	Barrack	<u> </u>	DATE 10ct 92
ORMATION SOURCE (DWG					
ERAL BUILDING DATA					
BUILDING AGE:) YEARS				
DUPLICATE BUILDING	NUS:				TOTAL:
SIMILAR BUILDING NO	S:				
					TOTAL:
BUILDING OCCUPANCY:	CONTI	NUOUS (24 HRS/DAY)		> NO. 0	F OCCUPANTS 28 (229) MOROUT: 10 (229)
	er and) duration of	occupants each day	•	Pari	Morant 10 (229 A
м					
Т					
W					
F					
S					
S	4 6	8 10 12	14 1	6 18	20 22 24
MICCELL ANEOUS FOUR	PMENT:				
MISCELLAREOUS EQUI	7112311				
			-		
3rd Floor	s, critical LOADS:	p = for	Trainin	gonli	,
					7
		HAUSTED .			
5.5		HAUSTED			

2.2 BUILDING FLOOR PLAN AND ELEVATION SKETCHES

MSED AS-BUILT PLAN	K Provincio
OUTH ELEVATION (Show floor to ceiling elevations)	

BUILDING FLOOR PLAN AND ELEVATION SKETCHES

		T -	1	1	i ·		,	ī · ·		,	,	 						
	REMARKS *** ****																	4 - CASEMENT 5 - LOUVERED 6 - FIXED GLASS
INFILTRATION	CRACK																WINDOW TYPES:	4.00 1 1 1
INF	FIT I MOSF AUG		`														MINDO	- DOUBLE HUNG - SINGLE HUNG - SLIDING
	W/S	ľ																1 - DOI 2 - SII 3 - SL
	YES	>	>			<u> </u>								<u> </u>				
TYPE	OF FRAME**	٤	٤														.:	¥.
	TRPL														U-VALUE		****VISIBILITY:	E - AWNING F - SOLAR SCREEN G - OVERHANG OTHER - SPECIFY
GLAZING*	D8L														<u>-</u> 1		\$1A**	E - AWNING F - SOLAR SC G - OVERHANC OTHER - SPEC
9	TYPE	_	_													LEGEND:	*	я _г 2 <u>0</u>
SIZE	L×H	7,x6.	"+'T×"8'2													LEG	ING:	SOLAR FILM VEN BLIND STORM WINDOW DRAPES
\prod	₹														EA		***SHADING:	LAR IN BL ORM
	3	24													TOTAL AREA		**	B - SC C - ST D - DF
	NS.											_			2			-
BER	S	12	2															- WOOD - METAL - METAL/THERMAL BREAK
NUMBER EXPOSURE	SE																<u>ب</u> و	RMAL
	ш	7															**FRAME:	_ L/THEI
	띭											 						WOOD METAI METAI
	z	∞	+															321
	TYPE	_	6/4		_												į	BING
	WINDOW DESIG.	C	æ						3								*GLAZING:	1 - ORDINARY 2 - 14" PLATE 3 - HEAT ABSORBING 4 - TINTED

BUILDING ENVELOPE					NO. 229/2
CONSTRUCTION ALL		- <i>-</i>		TYPE: F	Р
VALL	COLOR: D] M	ROOF (INCL. CLG.)	COLOR: D	
MATERIAL	THICKNESS (IN.)	R VALUE	MATERIAL	THICKNESS (IN.)	R VALUE
OUTSIDE FILM			OUTSIDE FILM		
STULLO	1/2"		B. W. R.		
RIGID INSAL.	1"		RIGID TWEAL.	4"	
A.N. SPAIR	l'		LW CONUMTE!	6"	
Cmu	8"		AIR SPACE		
			SNS CEILING	2"	
INSIDE FILM			INSIDE FILM		
	TOTAL			TOTAL	
LOOR C	AREA		U-FACTOR DOOR	AREA	
LOOR	<u>G</u>	R VALUE	DOOR		
LOOR S- O -		R VALUE	DOOR MATERIAL	THICKNESS (IN.)	R VALUE
LOOR	<u>G</u>	R VALUE	DOOR		
LOOR S- O -	<u>G</u>	R VALUE	DOOR MATERIAL		
LOOR S- O -	<u>G</u>	R VALUE	DOOR MATERIAL		
LOOR S- O -	<u>G</u>	R VALUE	DOOR MATERIAL		
LOOR S- O -	<u>G</u>	R VALUE	DOOR MATERIAL		
LOOR S- O -	<u>G</u>	R VALUE	DOOR MATERIAL		
LOOR S- O -	<u>G</u>	R VALUE	DOOR MATERIAL		
LOOR SO -	<u>G</u>	R VALUE	DOOR MATERIAL OUTSIDE FILM		
MATERIAL OUTSIDE FILM	THICKNESS (IN.)	R VALUE	DOOR MATERIAL OUTSIDE FILM	THICKNESS (IN.)	

3.1 HEATING EQUIPMENT

Heat Source:	Heat Sunn	lied Steam or Hot	Water Other	
Furnace Steam Hot Water Boiler	Pump — (Ext	ernal Boiler Plant	:)	
Capacity: 1,875 MBtu/Hr or	Boiler HP or _	Lbs/Hr	Steam or	GPM Hot Water
Manufacturer: HWRST		Model No.: El	3225-30-6	
Boiler/Furnace Control: Manual	Time Clock	X Demand	EMCS	0 ₂ Trim
Operating Temperature:	°F	Operating Pressu	re:16	PSI
Fuel: Nat. Gas Only Nat. Gas/			Forced Induced	
Burner: Mfg. GORDON PLATT				Yes No
Operating Schedule: Weekdays:	From	То	Hr/Day	
Weekdays & Holidays:				
Operating Season:	From	Mon/Day	, to	Mon/Day
Flue Gas Temperature:°F	Receiver Tank Cond	itions:	PSIG	°F
If supplied Steam Steam Pressure Pressu	SI Hot Water Supp	ly Temp°	F Hot Water Retur	n Temp°F
Insulation: (1) Boiler			ecify)	
Poor Area		FT ² Poor	Area	FT ²
None Temp.		°F None	Temp.	°F
Pump: No. of Pumps 7		V/PH/FLA	/	/
Mfg. PALO	Model		HP 1 2	RPM 1725
HW Pump Starter: HOA Reset	t P/B S/S Pus	h Button Inter	locked with Boiler?	Yes No
FOR LARGE BOILERS (over 6,000 MBTUH): Comb				
Condensate Pumps/Hot Water Pumps: Mfg		Model		нР
Boiler/Furnace Condition:				
Describe	-			
	· · ·			
Occupant Discomfort (Evaluate):		·		
Compare Discourse (Lyandaco).				
			·	

3.2 COOLING EQUIPMENT

COMPRESSOR(S)/CHILLER	COOLING TOMER
Manufacturer	Gravity
Model No.	Mech. Draft
Size	Manufacturer
Refrigerant	Model No.
Motor HP (if available)	
Motor Voltage	Fan RPM
Motor FLA	Fan Motor HP
Measured Amps	Fan Motor Voltage
CONDENSER/CONDENSING UNIT	Fan Motor FLA
Water Cooled	Measured Amps
Air Cooled	
Evaporativo	CHILLED WATER PUMPS (If more than one, how many
Manufacturer	W. C.
Model No	Model No
Ci	Model No.
Type of Fan	11
Fan Motor HD	Matau IID
Fan Maton Voltage	M
Fan Motor ELA	Make FI A
Measured Amns	
	Measured Amps
CONDENSER WATER PUMPS (If more than one, ho	ow many operate on normal operation:)
Manufacturer	
Model No.	
Capacity, Gals.	
Head, Ft	
Motor HP	
Motor Voltage	
Motor FLA	
Measured Amps	
DEMANUE.	
REMARKS:	

3.3 AIR HANDLING EQUIPMENT

FANS			
Туре		 78747	
Unit/Zone	#	 <u>#</u>	<u> </u>
Manufacturer		 	
Model No.		 	
Type		 	
RPM of Fan		 	
Motor HP		 	····
Motor Volts		 	
Motor FLA		 	
Measured Amps		 	
CFM (from Plans)		 	
Notes		 	
COILS			
Indicate capacit	ies where found:		
	COOLING	HUMIDIFICATION	
	DX	 ELEC	
	H ₂ 0	 STEAM	
	OTHER	 н ₂ 0	
	HEATING	OTHER	
		AUX/MISC OTHER	
FILTERS			
Туре		 <u>, , _, , , , , , , , , , , , , , , , , </u>	
Condition	:		
Manometer Readin	ig 1/		
	-	 	

 $\underline{1}/$ Record only if manometer is installed on the unit.

AIR HANDLING EQUIPMENT

	MESTIC HOT WATER HEATING SYSTEM / EQUIPMENT	
a.	Is System Supported from (check one):	Central Plant One System per Building
		Several Small Systems per Building
٠.	Domestic Hot Water Temperatures provided:	3 E
:.	Average Pipe Sizes of All HW Piping and Appr	roximate Run of Each:
i.	Is Piping System Insulated and Condition: _	•
₹.	Is Hot Water Circulated?	
	1) Condition of circulator	3) Is aquastat provided?
	2) Circulator capacity	4) Aquastat temperature setting
ı.	Areas Served	
:.	Manufacturer and Model	
١.		
١.	Type Heaters & Quantities:	
	1) Storage	
	2) Instantaneous	
	3) Semi-Instantaneous	
	Heater Size and Storage Capacity	
١.	Heating Capacity	
	Type Controls (Air, Steam, Electric)	
	When Installed & Condition	
	When Installed & Condition Heater Temperature Setting	
		
	Heater Temperature Setting	
	Heater Temperature Setting Average Water Maintained Temperature	

LOCATIO	
BLDG. NO.	229/229A

3.5	CONTROL/MISCELLANE	OUS PROCESS/SKETCHES				BLDG. NO. 204/114A
	CONTROL SYSTEM: CONTROLLERS:	ELECTRIC ELECTRONIC	PNEUMATIC	OPERATION:	MANUAL CONTINUOUS DEMAND	TIME CLOCK EMCS
	MFG		MODEL		LOCATION	
	CONDITION (GIVE DE	TAILED LIST OF PROBL	EMS AS REQUIRED):			
	A Section :	Contral T874A	hy Honey 1036		C thor	90/507

BLDG.

ドサレ

LIGHTING

	REMARKS	(LIGHTS/SWITCH)									
	WINDOW CODE									-	
=	r-100R	1	4								
FINISH	34-1			$\overline{\mathbf{x}}$							
E	NHTHE	9									- 1
S	F-1008		1								
COLORS	LLAE		4								
ت	OMH1H5	ت ا	4								
	CEIL ING HEIGHT	E									
	MEASURED ILLUMI - CETLING NATION HEIGHT	(FC)					ALM				
	MATTS PER SQ.FT.						Arat/Tot				
	FLOOR AREA SERVED	(FT2)				-	(0)				
	LIGHTING AREA SERVED	(KWH/YR) (FT ²) (W/FT ²)					1				
	DAYS/ YEAR ON						1877-130				
	HOURS/ DAY ON						ROI				
	TOTAL WATTS]		7			
	NUMBER OF FIXTURES				•		:				
	LAMPS PER FIXTURE AND MATTS/	T T T									
	LAMP TYPE AND WATTS										1NG ERGY
	FIXTURE							(X	TOTAL BUILDING LIGHTING ENERGY
	TASK CODE			•							101 Lig

LEGEND: LIGHTING

If there are windows, Curtains * C Shades * S No Shading = NS Window Code: indicate: Incandescent = I Fluorescent = F Sodium Vapor = SV Mercury Vapor = MV Metal Halide = MH Other--Describe Lamp Types: Recessed = R Suspended = S Ventilated = V Pole Mounted = PM Other--Describe

1 = Corridors 6 = Offices-drafting 12 = Storage room 2 = Kitchens 7 = Laundry 13 = Retail store 3 = Dining 8 = Toilets (Px, commissary) 4 = Offices-general 9 = Sleeping quarters Other (describe on 5 = Offices-bookkeeping 10 = Supply rooms audit form) (ledgers only) 11 = Repair shops E = Exterior

Tasks Code:

LIGHTING 4.2.1

Fixture Types:

<u>CATION</u>		FI	· <u>L</u>			\$	URVE	YED	BY_			Bil	} -	152	<u>ک</u>			DATE_	٥٤٦	142
CATION DING NUMBER	2	,30	/23	οА		F	UNCT	ION/	USE_		BAI	ASS	145	101	5×10	とろ				
RMATION SOU																				
								,												
RAL BUILDIN			_																	
BUILDING AG	E:		5	Y	EARS								:							•
DUPLICATE B	UILDIN	s Nos	:					•												
													:					DTAL:		
SIMILAR BUI	LDING I	. 20N																		
																		DTAL:		
BUILDING OC	CUPANC	Y:		(CONT	INUOU	IS (2	4 HR	S/DA	(Y) [7				NO.	OF	0 CCU	PANTS_	80	- 23
Indicat	e (numb	oer a	nd) d							-						•				230
" [1 1			Г	1	ī (П		- 1	1	1 1	- 1		- 1			
M T	+-		-	_		-					\perp		+		-		+		\vdash	
W				_									+							
Т																				
F S	-					-						_	-			4	_		<u> </u>	
s	+		+	╬	-	-					_	+	+			\dashv				
6	2		4	6	<u>.i </u>	8	10	0	1	2	14		16	1	8	20	· ·	22	24	\$
MISCELLANEO	US EQU	[PMEN	T:															·-·		
										·			•							
	 										•	-								
						-														
ADDITIONAL	COMMEN.	rs, c	RITIC	AL LOA	DS: _	•														
·	· · · · ·									 -										
CRAWL SPACE			TED	\neg			D [ר	<	04	+	ΔΛ	is Ci-	ات ا	Own F). R	m.			

2.2 BUILDING FLOOR PLAN AND ELEVATION SKETCHES

OOR PLAN (Show dimensio	ons and zones)	
•	·	
:		
<i>.</i>		:
	USED AS-BUILT PLANS PROVIDED	-
H ELEVATION (Show floor	r to ceiling elevations)	
	MSED AS-BUILT PLANS PROVIDED	

	NUMBER EXPOSURE			SIZE	GLAZING*	.NG*	F,	TYPE		i 1.	INFILTRATION	
SE	S	MS.	≩	L ×	TYPE D	DBL TRPL		2	W/S VES NO	LOOSE AUG	. CRACK LENGTH	REMARKS
Σ.	7	24		1,×6'	-		~	٤	7	>		
2				+1-×.8,2	-		٤.	ξ	>	`		
					<u> </u>							
	<u> </u>											
	1	-										
	 											
	1											
		<u> </u>										
	1	-										
	1											
	i	TOTAL AREA	AREA			U-VALUE	H.				:	
			-	1 6	LEGEND:	1	:					
FRAME:	1	*	*SHADING:	JING:	**	****VISIBILITY:	LITY:			WIND	WINDOW TYPES:	
- METAL - METAL - METAL/THERMAL BREAK	×	≪ ⊞∪Ω	SOLAR VEN BI STORM DRAPES	SOLAR FILM VEN BLIND STORM WINDOW DRAPES	6 - 1 00TH	AWNING SOLAR OVERIA ER - SP	E - AWNING F - SOLAR SCREEN G - OVERHANG OTHER - SPECIFY		-26	1 - DOUBLE HUNG 2 - SINGLE HUNG 3 - SLIDING	4.2.00 1 1 1	- CASEMENT - LOUVERED - FIXED GLASS

3.1 HEATING EQUIPMENT

Heat Source: Steam Hot Water Boiler Boiler	Heat Supp	plied Steam or Ho ternal Boiler Pla	t WaterOther	
Capacity: 1875 M Btu/Hr or	Boiler HP or _	Lbs/H	r Steam or	
Manufacturer: HUNST		Model No.: El	3725-30-0	
Boiler/Furnace Control: Manual	Time Clock	X Demand	EMCS	
Operating Temperature:	°F	Operating Pressu	ure:	6 PSI
Fuel: Nat. Gas Only Nat. Gas/ Other (Specify) - 0		Draft:	Forced Induced	
Burner: Mfg. GOODON PLATT	Model No \(\cdot \cdot \cdot \cdot \cdot \)	2 = 0 = 17	Metering Equipment	: Yes No
Operating Schedule: Weekdays:	From	То	Hr/Day	
Weekdays & Holidays:	From	То	Hr/Day	
Operating Season:	From			
If supplied Steam Steam Pressure Or Hot Water: Steam Pressure Insulation: (1) Boiler		(2) Other (Sp	F Hot Water Retur	
Poor Area	F	T ² Poor	Area	FT ²
None Temp.		°F None	Temp	
Pump: No. of Pumps			/	
Mfg. PACO	Mode1		HP 1/2_	RPM 1725
HW Pump Starter: HOA Rese	t P/B S/S Push	Button Inter	locked with Boiler?	
FOR LARGE BOILERS (over 6,000 MBTUH): Com	bustion Control Mfg.		Model	
Condensate Pumps/Hot Water Pumps: Mfg		Mode1		HP
Boiler/Furnace Condition:	• <u></u>			
Describe				
Occupant Discomfort (Evaluate):		Market States		
		***	·	
			·	
				

3.2 £00LING EQUIPMENT

COMPRESSOR(S)/CHILL	ER SPLIT-SYSTEM DX	COOLING TOWER
Manufacturer	TRANE	Gravity
Model No.	RAUA-8006-EA	Mech. Draft
Size -		Manufacturer
Refrigerant		Model No.
Motor HP (if avai	lable) SOHP	Type of Fan
Motor Voltage	2081/34	Fan RPM
Motor FLA	264	Fan Motor HP
Measured Amps		Fan Motor Voltage
, -		
CONDENSER/CONDENSIN	<u>G UNIT</u>	Fan Motor FLA
Water Cooled		Measured Amps
Air Cooled		CHILLED WATER PUMPS (If more than one, how many
Evaporative		operative during normal operation:)
Manufacturer		Manufacturer
Model No.		Model No.
Size		Capacity Gals.
Type of Fan	ZER WWD.	Head, Ft.
Fan Motor HP	7.5	Motor HP
Fan Motor Voltage	2080/34	Motor Voltage
Fan Motor FLA	25.4	Motor FLA
Measured Amps		Measured Amps
CONDENSER WATER PUM	PS (If more than one, how many o	operate on normal operation:
Manufacturer	<u> </u>	
Model No.		
Capacity, Gals.		
Head, Ft.	· .	
Motor HP	·	
Motor Voltage	•	
Motor FLA		-
Measured Amps		
REMARKS:		

3.3 AIR HANDLING EQUIPMENT

FANS	150	230A		
Туре	DUAL BUCT AHU	ROUFTOP PKGD.	UNIT	
Unit/Zone	# BLOG 230			±
Manufacturer	TRANE CLIMATE CHAMA	R AIR FAM		
Model No.	_50_	LPS 18D		_
Туре				
RPM of Fan	•	•		
Motor HP	25HP S.A.			
Motor Volts				
Motor FLA				
Measured Amps				-
CFM (from Plans)	-			
Notes				-
COILS				
Indicate capacitie	es where found:			
	COOLING		HUMI DIFICATION	
	DX		ELEC	
	H ₂ 0			
	OTHER			
	HEATING		OTHER	
	GAS		AUX/MISC OTHER	
			HOW HISC OTHER	
	OTHER			
ILTERS				
Туре				
Condition				
Manometer Reading	1/			

 $\underline{1}$ / Record only if manometer is installed on the unit.

DOMEST	TIC HOT WATER HEATING SYSTEM / EQUIPMENT	<u> </u>	
a. Is	s System Supported from (check one):	Central Plant	One System per Building
		Several Small S	ystems per Building
. Do	omestic Hot Water Temperatures provided:		²F
. Av	verage Pipe Sizes of All HW Piping and App	Drovimate Pum of Carb.	
	and App	proximate Run of Each:	
_			
_			
i. Is	s Piping System Insulated and Condition:		
	Hot Water Circulated? 755		
	7 20	3) Is ac	quastat provided?
			stat temperature setting
OMEST	TIC HOT WATER HEATING EQUIPMENT (If more	than one location, lis	st each one)
. Lo	ocation 230	mech Equip RM	2080
. Ar	reas Served	208	2084
. Ma	nnufacturer and Model		
. En	nergy (Oil, Gas, Electric, Coal, Etc.)	F.o. #2	ELE CTRIC
. Ту	pe Heaters & Quantities:		
1)	Storage 1+EA	T EXCANNAGE	
2)	Instantaneous		
3)	Semi-Instantaneous		
. He	eater Size and Storage Capacity	1,075 GALS	15 6 ALS
. He	eating Capacity		3 kW
. Ty	pe Controls (Air, Steam, Electric)		
. Wh	en Installed & Condition		
. He	eater Temperature Setting (we's) _	129 %	13014
	verage Water Maintained Temperature		
. Te	emperature Differential (j) - (k)		
. Is	Hot Water Supply Adequate:		
	sulation Thickness nsulation Material	Тур	pe

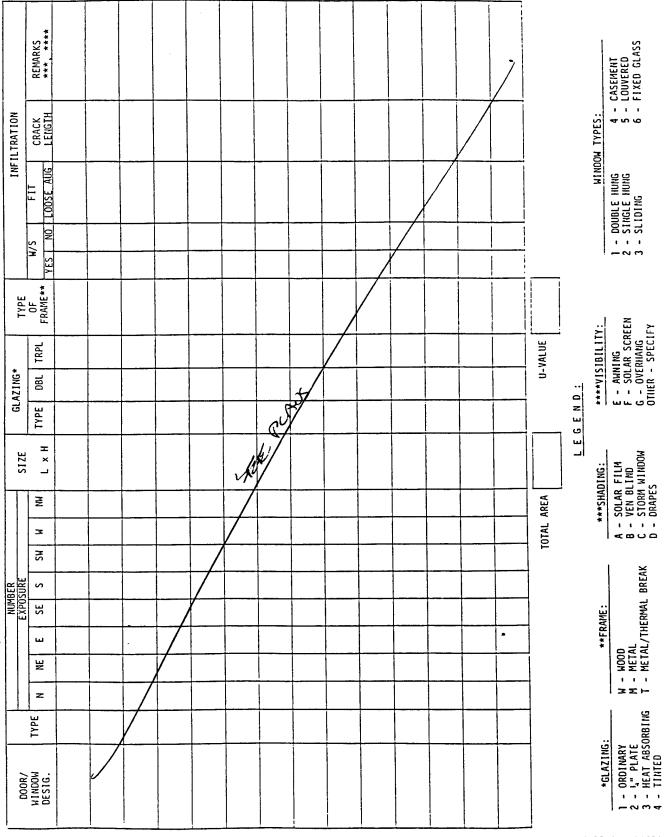
3.4

230/ 230A				T					1]		
BLDG.	REMARKS	(LIGHTS/SWITCH)														12 = Storage room 13 = Retail store (PX, commissary) Other (describe on audit form) E = Exterior
7-1	WINDOW															
ائد	H -100) ex		+	+	 	+			-	 		-			Offices-drafting Laundry Toilets Sleeping quarters Supply rooms Repair shops
1	FINISH E W						†		 		 	 	1		de:	Offices-draft Laundry Toilets Sleeping quar Supply rooms Repair shops
Ì		- Z U											j		Tasks Code:	dry dry its ing y re
<u>8</u>	LORS LAK LAK LAK			┼	ļ	 			ļ]		ask	* Offices * Laundry * Toilets * Sleeping * Supply * Repair
LOCATION	COLORS C E M		-	-	<u> </u>		 	ļ	-	ļ			-			
9	CEILING HEIGHT	(ET)														* Corridors 6 = 0f; * Kitchens 7 * Lai * Dining 8 = Toi * Offices-general 9 = SIe * Offices-bookkeeping 10 = Sug
		_	+		-	-	K	-	<u> </u>	1						neral okkee nly)
	MEASURED ILLUMI- NATION	5			<u> </u>	<u> </u>	207A							O N		idors hens ng ces-ge ces-bo gers o
	WATTS PER SQ.FT.	(W/FT ²)					120-							LEGE		1 * Corr 2 * Kitc 3 * Dini 4 * Offi 5 = Offi
	FLOOR AREA SERVED	- 1					2							9		
	L I GHT I NG ENERGY	(KWH/YR) (FT ²)												I G H T I	Code:	there are windows, indicate: Curtains * C Shades * S io Shading * NS
	DAYS/ YEAR ON						TOENTIAL								Window Code:	there are wind indicate: Curtains = C Shades = S No Shading = NS
	HOURS/ DAY ON						H								 	# Z
	TOTAL														es:	nt = I nt = F or = SV or = MV de = MH
	NUMBER OF FIXTURES					:									Lamp Types	Incandescent = Fluorescent = Sodium Vapor = Mercury Vapor = Metal Halide = OtherDescribe
		WATTS/ FIXTURE													1	Mer Mer Ot
	LAMP TYPE AND	S S					`						ور		::1	∝n>⊊ ñ
	FIXTURE		·				ţ						TOTAL BUILDING LIGHTING ENERGY		Fixture Types:	Recessed = R Suspended = S Ventilated = V Pole Mounted = PM OtherDescribe
LIGHTING	TASK											\	TOTA LIGH		Fixt	Sus Sus Vent Pole P

.1 ARCHITEC	TURE - MISCELLANEOU	<u>S</u>	i	
CATION	Fth	SURVEYED BY PH	1213	DATE 35 92
LDING NUMBER_	238	FUNCTION/USE TEX	COM	
		SWEY/		
ERAL BUILDING	DATA			
BUILDING AGE:	HEW_YEARS			
DUPLICATE BUI	LDING NOS:			
				TOTAL:
SIMILAR BUILD	ING NOS:			
				TOTAL:
BUILDING OCCU	PANCY: CONTI	NINIS (24 HBS/DAY)	NO OF OC	CUDANTE
	(number and) duration of o		NO. 07 OCI	CUPANTS ZO
				·
M			++++>	
T				
W			 	
<u> </u>			+++	
F	 		++>-	
S				
3 1	2 4 6	3 10 12 14	16 18 20	22 24
		,		
MISCELLANEOUS	EQUIPMENT:			
	 			
ADDITIONAL CO	MMENTS, CRITICAL LOADS: _		•	
				
				-
CDAW SPACE	VENTILATED EXHA	uczen 🗔		
CRAWL SPACE:	VENTILATED [*] EXHAI	JSTED		
ATTIC:	VENTILATED EXHA	JSTED T		

2.2 BUILDING FLOOR PLAN AND ELEVATION SKETCHES

OR PLAN (Show dimensions and :	ones /	
	GEE PLANTS	
TH ELEVATION (Show floor to c	eiling elevations)	
• ••	SEE PLANS	•
•		



BUILDING ENVELOPE						
CONSTRUCTION				TY	PE: F	P
WALL	COLOR: D		ROOF (INCL. CLG.)	COL	.OR: D	M
MATERIAL	THICKNESS (IN.)	R VALUE	MATERIAL	THICKNESS	(IN.)	R VALUE
OUTSIDE FILM		0.17	OUTSIDE FILM			6.6
Mu	2"	1.11	RIGID (15)	3"		11. (
12-11		11	But up ai			0.
aypord	5/8"	0.56				
						
INSIDE FILM		0.68	INSIDE FILM			
	TOTAL	13.5			TOTAL	12.
				- 42	AREA	
U-FACTOR 6. O	73 AREA		U-FACTOR DOOR	<u> </u>	PINEA (
U-FACTOR 6. 0	73 AREA		DOOR			
	73 AREA THICKNESS (IN.)			THICKNES		R VALUE
FLOOR .			DOOR			R VALUE
FLOOR MATERIAL			DOOR			R VALUE
FLOOR MATERIAL			DOOR			R VALUE
FLOOR MATERIAL			DOOR			R VALUE
FLOOR MATERIAL			DOOR			R VALUE
FLOOR MATERIAL			DOOR			R VALUE
FLOOR MATERIAL			DOOR		S (IN.)	R VALUE
FLOOR MATERIAL OUTSIDE FILM		R VALUE	DOOR MATERIAL OUTSIDE FILM			R VALUE
FLOOR MATERIAL OUTSIDE FILM	THICKNESS (IN.)	R VALUE	DOOR MATERIAL OUTSIDE FILM		S (IN.)	R VALUE

LOCATION Fitz
BLOG. iii. 238

'3.1 HEATING EQUIPMENT

Heat Source: Furnace St Bo	eam Hot Water iler Boiler	Heat Supp Pump (Ext	olied Steam or Hot cernal Boiler Plant	WaterOther	
Capacity: 204	MBtu/Hr ou br	Boiler HP or _	Lbs/Hr	Steam or	GPM Hot Water
Manufacturer: WK	n MilAn		Model No.: Pig	-5-PI	
Boiler/Furnace Contr	ol: Manual	Time Clock	Demand	EMCS	O ₂ Trim
Operating Temperatur	e:	°F	Operating Pressur	re:	PSI
	nly Nat. Gas/			Forced X Induced	
Burner: Mfg.	_	Model No		Metering Equipment:	Yes No
Operating Schedule:	Weekdays:	From	То	Hr/Day	
· ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~	Weekdays & Holidays:	From	To	Hr/Day	
DEMMO	Operating Season:	From	Mon/Day	, to	Mon/Day
Flue Gas Temperature	e:°F	Receiver Tank Cond	itions:	PSIG	°F
If supplied Steam or Hot Water:	team PressureF	PSI Hot Water Supp	ly Temp°	F Hot Water Retur	n Temp°F
Insulation: (1) Boi	ler		(2) Other (Sp	ecify)	
Pod	or Area		FT ² Poor .	Area	FT2
Nor	ne Temp		_°F None	Temp.	°F
Pump: No. of Pumps_			V/PH/FLA		
	HUN			НР	RPM 1740
HW Pump Start	ter: HOA Rese	t P/B S/S Pus	h Button Inter	locked with Boiler?	Yes No
FOR LARGE BOILERS (over 6,000 MBTUH): Com	bustion Control Mfg	•	Mode 1	
Condensate Pumps/Hot	t Water Pumps: Mfg		Model	•	HP
Boiler/Furnace Condi	ition:				
		120			
Occupant Discomfort	(Evaluate):				

3.2 COOLING EQUIPMENT

COMPRESSOR(S)/CHILLER		COOLING TOHER
Manufacturer	BALLY	Gravity
Model No.	PN-75-1	,
Size		Manufacturer —————
Refrigerant	R-12	Model No
	e)	- 65
Motor Voltage	230	Fan RPM
Motor FLA	5.4	Fan Motor HP
Measured Amps		Fan Motor Voltage
		Fan Motor FLA
CONDENSER/CONDENSING UN	<u> TIT</u>	Measured Amps
Water Cooled		CHILLED NATER PUMPS (If more than one, how many
Air Cooled		operative during normal operation:)
Evaporative		Manufacturer
Manufacturer	<i>/</i> _	Model No.
Model No.	- NV -	Consolity Cals
Size		Head, Ft.
Type of Fan	-/ -	Motor HP
Fan Motor HP	/ -	Motor Voltage
Fan Motor Voltage	/	Motor FLA
Fan Motor FLA	/	Measured Amps
Measured Amps 2		
CONDENSER WATER PUMPS	(If more than one,	how many operate on normal operation:)
Manufacturer		
Model No.		
Capacity, Gals.		
Head, Ft.		
Motor HP	/	<u> </u>
. Motor Voltage		
Motor FLA		
Measured Amps	<i></i> -	
REMARKS:	<u>/</u>	

FANS	,		
Туре	PLAKEMEND VAV		
Unit/Zone	# Rosp #	#	<u> </u>
Manufacturer	McQuyy		
Model No.	14503037		
Туре	Par		/
RPM of Fan			
Motor HP	20 Supply 7.5 RE	TARN	
Motor Volts	<u>460/38</u> 460	/34	
Motor FLA	27 11		
Measured Amps	(10(Au)		
CFM (from Plans)			
Notes			
		,	
COILS			
Indicate capacities	where found:		
	COOLING	HUMIDIFICATION	
	DX	ELEC	
	H ₂ 0	STEAM	
	OTHER	H ₂ O	
	HEATING	OTHER	
	GAS	AUX/MISC OTHER	/.
	H ₂ 0	AUX/PILSC OTHER	1th
	ELEC		
	OTHER		
FILTERS		•	
Туре		•	
Condition			/
Manometer Reading <u>1</u> /		VA	7/2
	/ =		/

 $\underline{1}/$ Record only if manometer is installed on the unit.

DOMESTIC HOT WATER HEATING SYSTEM / EQUIPMENT √ One System per Building a. Is System Supported from (check one): | Central Plant Several Small Systems per Building Domestic Hot Water Temperatures provided: c. Average Pipe Sizes of All HW Piping and Approximate Run of Each: d. Is Piping System Insulated and Condition: 4F5 e. Is Hot Water Circulated? \(\frac{1,25}{1} 1) Condition of circulator 6600 3) Is aquastat provided? 2) Circulator capacity By 4 series 100 4) Aquastat temperature setting DOMESTIC HOT WATER HEATING EQUIPMENT (If more than one location, list each one) Location PUI MOZ7P125-A-Pa Areas Served Manufacturer and Model d. Energy (Oil, Gas, Electric, Coal, Etc.) e. Type Heaters & Quantities: 1) Storage 2) Instantaneous 3) Semi-Instantaneous 190 MBH ____ f. Heater Size and Storage Capacity g. Heating Capacity Type Controls (Air, Steam, Electric) When Installed & Condition Heater Temperature Setting Average Water Maintained Temperature Temperature Differential (j) - (k)

Is Hot Water Supply Adequate:

n. Insulation Thickness
o. Insulation Material

LOCATION	Ph
BLDG. NO	238

CONTROL SYSTEM: CONTROLLERS:	ELECTRIC ELECTRONIC	PNEUMATIC MODEL	OPERATION:	MANUAL CONTINUOUS DEMAND	TIME CLOCK EMCS
rir G	1000	MODEL		LOCATION	
CONDITION (GIVE C	DETAILED LIST OF PRO	BLEMS AS REQUIRED):	•		

3.5 CONTROL/MISCELLANEOUS PROCESS/SKETCHES

4.2.1 Interior Lighting

LIGHTING				-			:					רנ	LOCATION	ا 8		7	DH-L	BLDG. 238	• 100
TASK CODE	FIXTURE TYPE	LAMP TYPE AND	LAMPS PER FIXTURE AND	NUMBER OF FIXTURES	TOTAL WATTS	HOURS/ DAY ON	DAYS/ YEAR ON	LIGHTING FLOOR ENERGY SERVED	FLOOR AREA SERVED	WATTS PER SQ.FT.	MEASURED ILLUMI- CEILING NATION HEIGHT	CE IL ING HE IGHT	COLORS	ORS 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		FINISH C	WINDOW CODE	REMARKS	
		WALIS	WATTS/ FIXTURE	·				(KWH/YR) (FT ²)	(FT ²)	(W/FT ²)	(FC)	(FT)	z		20			(LIGHTS/SWITCH)	.— _.
U	7	12/2	10/10/	170	11900														_
-																			
EXT.	7			9															
														ļ					Γ
		·																	
							·												
								-								-			
				•															
101 LiG	TOTAL BUILDING LIGHTING ENERGY	ING ERGY																	
								LIGHTING	N G	LEGEND	 O N								

LIGHTING 4.2.1

Recessed = R Suspended = S Ventilated = V Pole Mounted = PM Other--Describe

12 = Storage room 13 = Retail store (Px, commissary) Other (describe on audit form) E = Exterior

If there are windows, indicate:

Window Code:

Lamp Types:

Fixture Types:

Curtains = C Shades = S No Shading = NS

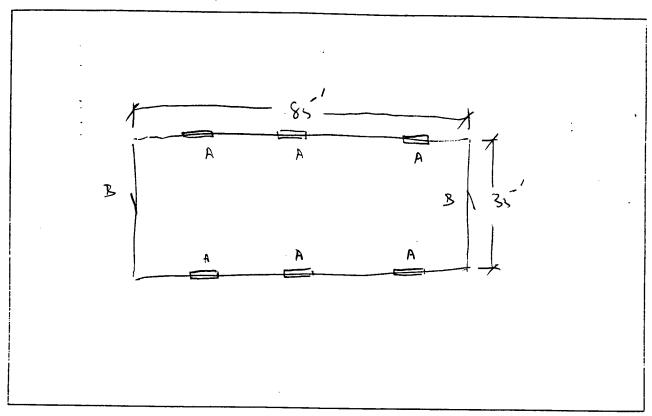
Incandescent = I Fluorescent = F Sodium Vapor = SV Mercury Vapor = MV Metal Halide = MH Other--Describe

Tasks Code:

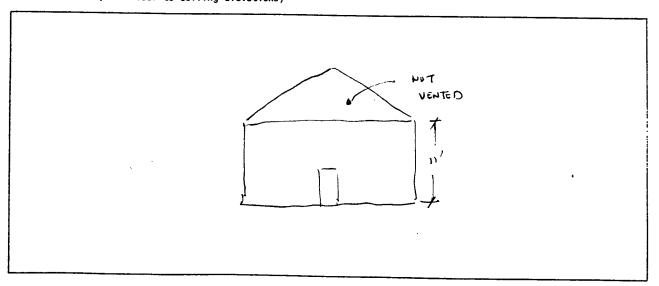
ERAL B	UILDI	ING D	ATA																
				3		_							:						
DUPLI	CATE	BUIL	DING	NOS:	2	<u>}</u>	136	23	37,	243	», 24	4,7	286	,28	8 ₂	46,	247		
							-	<u>'</u>					:				TOTAL:		
SIMIL	AR BI	JILDI	NG NO	S:															
																	TOTAL:		
RUTIC	ING (יררוונ	ANCV.			CON	TINUOU	15 (24	upe	navs	\Box					05.00		12	_
							of occu				لــا				NU.	OF OCC	CUPANTS_		
		,							- Cuci.	uuy									
M	·匚						<u></u>			1									
1		_					4		士	\pm				<u> </u>					
k	-	_		_ _			+			#			1,						
T					1-1		<u></u>		+	#		_	1	^				1	
s	-			+	+		-		+	+	+-		7		_			+-1	
S	-					\dashv			-	+	++	-	+	+-+		-		-	
	0	1	2	4		6	8	10		12	1 14	1	16	1 1	8	20	22	24	
MISCE	LLANE	ous:	EQUI P	MENT:															
														•					
							·····												
ADDIT	IONAL	COM	MENTS	. CRIT	TCAL	OADS:	:												
				,															-
																			

2.2 BUILDING FLOOR PLAN AND ELEVATION SKETCHES

FLOOR PLAN (Show dimensions and zones)



SOUTH ELEVATION (Show floor to ceiling elevations)



BUILDING FLOOR PLAN AND ELEVATION SKETCHES

LOCATION FHL
BLOG. NO. 240

	REMARKS	***												4 - CASEMENT 5 - LOUVERED 6 - FIXED GLASS
INFILTRATION	CRACK												TYPES:	5 - CA 5 - CA 101
INF	FIT	LOOSE AUG									:		WINDOW TYPES	- DOUBLE HUNG - SINGLE HUNG - SLIDING
	M/S	YES NO												1 - DOUB 2 - SING 3 - SLID
TVDE	OF FRAME**		٤											z
	TRPL										ILUE [****VISIBILITY:	E - AWNING F - SOLAR SCREEN G - OVERHANG OTHER - SPECIFY
GLAZING*	180										U-VALUE	••1	**	SOLAR OVERH
ಠ	TYPE	_										LEGEND:	*	
SIZE	± ×	3' x6'	3'x7'							-		1 E G	NG:	A - SOLAR FILM B - VEN BLIND C - STORM WINDOW D - DRAPES
	₹										L	<u>!</u>	***SHADING:	LAR F EN BLI TORM W
	3	3									TOTAL AREA		*	8 - SC - ST - ST - DF
	S										2			
NUMBER Exposure	S		_											L BREAK
ĭ.	SE		ļ				-						ME:	ERMAL
	ш	2											**FRAME:	- WOOD - METAL - METAL/THERMAL
}	¥													- WOO
	<u>ح</u>													3 E F
	TYPE	<u>و</u>						 						ORB I NG
D00R/	WINDOW DESIG.	a	R. Dood	·									*GLAZING:	1 - ORDINARY 2 - L" PLATE 3 - HEAT ABSORBING 4 - TINTED

UILDING ENVELOPE				DEDG. 16	0. 24 0
ONSTRUCTION					
ALL	COLOR: D	M X L	ROOF (INCL. CLG.)	TYPE: F COLOR: D	_ P M
MATERIAL	THICKNESS (IN.)	R VALUE	MATERIAL	THICKNESS (IN.)	R VALUE
OUTSIDE FILM		0.25	OUTSIDE FILM		0.25
42-12 PZTWOND		0.62	METAL ROOF		0.61
R-11 Insulation	·	N. vs	R-19 INSWLATION	•	19.00
Gypround		0.56	GYPBOARD		0.56
					0.68
INSIDE FILM		0.68	INSIDE FILM		21.1
······································	TOTAL	13.11		TOTAL	
L-FACTOR - A AC	. ADEA	i	II_EACTOD !	: ADEA	•
LOOR SOC	AREA		U-FACTOR O.O	AREA	
	THICKNESS (IN.)	R VALUE		THICKNESS (IN.)	R VALUE
LOOR SOG		R VALUE	DOOR		R VALUE
LOOR SOG		R VALUE	DOOR MATERIAL		R VALUE
LOOR SOG		R VALUE	DOOR MATERIAL		R VALUE
LOOR SOG		R VALUE	DOOR MATERIAL		R VALUE
LOOR SOG		R VALUE	DOOR MATERIAL		R VALUE
LOOR SOG		R VALUE	DOOR MATERIAL		R VALUE
MATERIAL OUTSIDE FILM		R VALUE	MATERIAL OUTSIDE FILM		R VALUE
MATERIAL OUTSIDE FILM	THICKNESS (IN.)	R VALUE	MATERIAL OUTSIDE FILM	THICKNESS (IN.)	R VALUE

	LOCATION FAL
HEATING EQUIPMENT POWALTO OF THE PROPERTY AND THE PROPER	BLDG. 110. 240
PACKAGED PROPAGE HEAT-4/-	DR WOUNG UNIT (2 EACH)
Furnace Steam Hot Water Heat Suppli	ied Steam or Hot WaterOther
Capacity: 61.6 M Btu/Hr orBoiler HP or	Lbs/Hr Steam orGPM Hot Water
Manufacturer: CARRIER	Model No.:
	Demand EMCS 02 Trim
Operating Temperature:°F (Operating Pressure:PSI
Fuel: Nat. Gas Only Nat. Gas/	Draft: Forced
Other (Specify) PRUPANE	Induced
Burner: Mfg Model No	Metering Equipment: Yes No
Operating Schedule: Weekdays: From	ToHr/Day
Weekdays & Holidays: From	ToHr/Day
	Mon/Day, to Mon/Day
Flue Gas Temperature: °F Receiver Tank Conditi	ions:PSIG°F
If supplied Steam Steam Pressure PSI Hot Water Supply or Hot Water:	
Insulation: (1) Boiler	(2) Other (Specify)
Poor Area FT2	
None Temp. °F	None Temp. °F
Pump: No. of Pumps	V/PH/FLA//
MfgModel	HPRPM
HW Pump Starter: HOA Reset P/B S/S Push B	Button Interlocked with Boiler? Yes No
FOR LARGE BOILERS (over 6,000 MBTUH): Combustion Control Mfg	Mode1
Condensate Pumps/Hot Water Pumps: Mfg	Mode1HP
Boiler/Furnace Condition:	
Describe	
Occupant Discomfort (Evaluate):	

3.1

3.2 COOLING EQUIPMENT

Pac	LASED HEAT	LLOUING MA	T - PAD MOUNTED (Z EACH)	
COMPRESSOR(S)/CHILLER		•	COOLING TOWER	
Manufacturer C	FURIER MA	athen maker	Gravity	
Model No. 484	4006580		Mech. Draft	
Size	4712		Manufacturer	
Refrigerant			Model No.	
Motor HP (if available)		· · · · · · · · · · · · · · · · · · ·	Type of Fan	
Motor Voltage	2080/30		Fan RPM	
Motor FLA	!7		Fan Motor HP	
Measured Amps			Fan Motor Voltage	
CONDENSER/CONDENSING UNIT			Fan Motor FLA	
	6000	FAUS	Measured Amps	
Water Cooled				
Air Cooled			CHILLED WATER PUMPS (If more than or	_
Evaporative			operative during normal operation:)
Manufacturer			Manufacturer	
Model No.			Model No.	_
Size			Capacity Gals.	
Type of Fan Fan Motor HP			Head, Ft.	-
	2081/14	264/16	Motor HP	-
Fan Motor Voltage	7080 / 17	4	Motor Voltage	
Fan Motor FLA			Motor FLA	
Measured Amps			Measured Amps	
CONDENSER WATER PUMPS (If	f more than on	e, how many oper	ate on normal operation:)	
Manufacturer				
Model No.			·	
Capacity, Gals.				
Head, Ft.				
Motor HP			·	
Motor Voltage				
Motor FLA				
Measured Amps				
REMARKS:				

D	OMESTIC HOT WATER HEATING SYSTEM/EQUIPMEN	I - NOHE	_		LOCATION FHI
			-		
a.	. Is System Supported from (check one):	Central P	Plant	One Sy	stem per Building
		Several S	Small Systems	per Building	
b.	Domestic Hot Water Temperatures provided:			1-	
_				³F	
ε.	Average Pipe Sizes of All HW Piping and Ap	proximate Run of	Each:		
	·				•
				· · · · · · · · · · · · · · · · · · ·	
d.	Is Piping System Insulated and Condition:				
e.	*- W W W W W W W W W W				
		3)	Is aquasta	t provided?	
	z, on caracor capacity	4)	Aquastat te	emperature sett	ing
DO!	MESTIC HOT WATER HEATING EQUIPMENT (If more	than one locatio	on, list each	one)	
a.	Location			•	
b.	Areas Served				
c.	Manufacturer and Model				
d.	Energy (Oil, Gas, Electric, Coal, Etc.)	~.		· · · · · · · · · · · · · · · · · · ·	
e.	Type Heaters & Quantities:	NA			
	1) Storage	, ,			
	2) Instantaneous			·	
	3) Semi-Instantaneous				
f.	Heater Size and Storage Capacity				
).	Heating Capacity				
۱.	Type Controls (Air, Steam, Electric)				
	When Installed & Condition		$\overline{}$		
	Heater Temperature Setting		$\overline{}$		
•	Average Water Maintained Temperature				
	Temperature Differential (j) - (k)				
	Is Hot Water Supply Adequate:			\	
	Insulation Thickness		Туре	1	
).	Insulation Material				·
	•				
				`	
				\	

					LOCA: ION _F	,, <u> </u>
CONTROL/MISCELLANEO	US PROCESS/SKETCH	<u>ES</u>			BLDG. NO. 24	<u>a</u>
CONTROL SYSTEM: CONTROLLERS:	ELECTRIC ELECTRONIC	PNEUMATIC	OPERATION:	MANUAL CONTINUOUS DEMAND	TIME CLOC	κ.
MFG		MODEL		LOCATION		
CONDITION (GIVE DET	TAILED LIST OF PRO	BLEMS AS REQUIRED):	•	: :		
TWO TH	ermostats -	1 HAT-6,1	LOOLING -	NON Progr	manabué/non	SETBACK
TIME C	LOCK CON		¥R1			
6 Hr ma	Edinasia X	TIMERS ADJALLA	47 70 7- STA	75		

3.5

a42 1-Smitching) aspice (LIGHTS/SWITCH) REMARKS WINDOW CODE がよって ş W -100 & FINISH * < _ _ OMH THE S **~** →00°× ٤ £ COLORS LOCATION 34JJ د د SALTHE J _ ILLUMI- CEILING NATION HEIGHT (FT 7/4 ÷ MEASURED (00± (FC 3 0 LEGEN WATTS PER SQ. FT. (W/FT²) FLOOR AREA SERVED (KWH/YR) (FT²) LIGHTING LIGHTING ENERGY DAYS/ YEAR ON HOURS/ DAY ON TOTAL LAMPS NUMBER
PER OF
FIXTURE FIXTURES 35 3 ى AND WATTS/ FIXTURE すき t LAMP TYPE AND WATTS 13 F3十 25 TOTAL BUILDING LIGHTING ENERGY FIXTURE TYPE 792 Sunk SARK LIGHTING ř,

7

Recessed = R Suspended = S Ventilated = V Pole Mounted = PM Other--Describe Fixture Types:

Curtains = C Shades = S No Shading = NS Incandescent = I Fluorescent = F Sodium Vapor = SV Mercury Vapor = MV Metal Halide = MH Other--Describe Lamp Types:

If there are windows,

12 = Storage room
13 = Retail store
(PX, commissary)
coher (describe on audit form)
E = Exterior 1 = Corridors 6 = Offices-drafting
2 = Kitchens 7 = Laundry
3 = Dining 8 = Toilets
4 = Offices-general 9 = Sleeping quarters
5 = Offices-bookkeeping 10 = Supply rooms (ledgers only) 11 = Repair shops

Tasks Code:

Window Code:

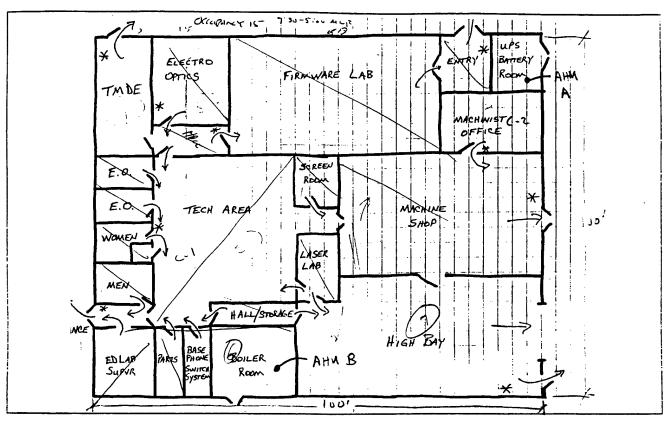
indicate:

LIGHTING 4.2.1

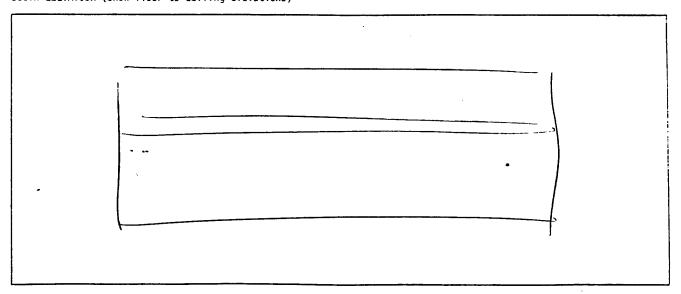
1 ARCHITEC											
DCATION	THL			SURVEYED	BY R	تلاتد	314		0	ATE	492
LDING NUMBER_	20	+1_		FUNCTION/	USE GM	FAZ	UT				
ORMATION SOUR	CE (DWG. 1	NO./PERS	SON)	Su	RVEY						
							<u>-</u> "				
ERAL BUILDING	DATA										
BUILDING AGE	: MEC	7	YEARS								
DUPLICATE BU	ILDING NOS	:									
									T01	AL:	
CIMILAD BUILL	DING MOS.										
JIMEAN BOIL	DING NOS.								T01	AL:	
BUILDING OCC	UDANCY.		CONT	INUOUS (24 HR	S/DAY)			NO O	יב טכנווטי		10_
				occupants ea				NO. 0	ir occurr		
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MISCELLANEOU	S EQUIPME	NT:					<u> </u>				
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ADDITIONAL C	OMMENTS.	CRITICA	L LOADS:								
·					- · · · · · · · · · · · · · · · · · · ·				- 		
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					<u></u>						
CRAWL SPACE:	VENTIL	ATED 6	Ехн	AUSTED							
ATTIC:	VENTIL	ATED [EXH	IAUSTED							

2.2 BUILDING FLOOR PLAN AND ELEVATION SKETCHES

FLOOR PLAN (Show dimensions and zones)



SOUTH ELEVATION (Show floor to ceiling elevations)



BUILDING FLOOR PLAN AND ELEVATION SKETCHES

LOCATION FALL
BLOG. 110. Z41

										Ī				
	REMARKS													4 - CASEMENT 5 - LOUVERED 6 - FIXED GLASS
INFILTRATION	CRACK	22											WINDOW TYPES:	6 - FI
INF	FIT LODSE ANG												WINDO	1 - DOUBLE HUNG 2 - SINGLE HUNG 3 - SLIDING
	W/S	1											į	1 - 000 2 - 511 3 - 51
TVDE	OF FRAME**	Z												
	TRPL										LUE .	•	ILITY	IG SCREE IANG PECIFY
GLAZING*	180										U-VALUE	1	****VISIBILITY:	E - AWNING F - SOLAR SCREEN G - OVERHANG OTHER - SPECIFY
GLA	TYPE	1			 							LEGEND	1	mr 20
\$175	<u>-</u>	3×7										1 6 6	ING:	- SOLAR FILM - VEN BLIND - STORM WINDOW - DRAPES
\prod	₹										AREA	•	***SHADING:	SOLAR VEN BL STORM DRAPES
	3										TOTAL AREA		*	4800 1111
	MS		 								_			¥
NUMBER EXPOSURE	SE S													L BRE
	E												**FRAME:	- WOOD - METAL - METAL/THERMAL BREAK
	NE		 ·										#	- WOOD - METAL - METAL/
	z													32-
-	TYPE	10												3116
	WINDOW T	2											*GLAZING:	1 - ORDINARY 2 - 1" PLATE 3 - HEAT ABSORBING 4 - TINTED
			 !				1			<u> </u>]			

CONSTRUCTION				BLDG. :	30. <u>0</u>
WALL	COLOR: D		ROOF (INCL. CLG.)	TYPE: F (COLOR: D (P
MATERIAL	THICKNESS (IN.)	R VALUE	MATERIAL	THICKNESS (IN.)	R VALUE
OUTSIDE FILM		0.25	OUTSIDE FILM		0.25
METTER COVER		0.61	MEME POR		0.25
2" BATY		()	6" 377		19
AND SOME		0.68			
Ap Zaro		0.68			
INSIDE FILM		0.68	INSIDE FILM		0.68
	TOTAL	13.54		TOTAL	20.50
J-FACTOR O.C	AREA		U-FACTOR 0.0	AREA	
FLOOR					
<u></u>			DOOR		
MATERIAL	THICKNESS (IN.)	R VALUE	DOOR MATERIAL	THICKNESS (IN.)	R VALUE
MATERIAL OUTSIDE FILM	THICKNESS (IN.)	R VALUE		THICKNESS (IN.)	R VALUE
	THICKNESS (IN.)	R VALUE	MATERIAL	THICKNESS (IN.)	R VALUE
	THICKNESS (IN.)	R VALUE	MATERIAL	THICKNESS (IN.)	R VALUE
	THICKNESS (IN.)	R VALUE	MATERIAL	THICKNESS (IN.)	R VALUE
	THICKNESS (IN.)	R VALUE	MATERIAL	THICKNESS (IN.)	R VALUE
	THICKNESS (IN.)	R VALUE	MATERIAL	THICKNESS (IN.)	R VALUE
OUTSIDE FILM	THICKNESS (IN.)	R VALUE	MATERIAL OUTSIDE FILM	THICKNESS (IN.)	R VALUE
OUTSIDE FILM		R VALUE	MATERIAL OUTSIDE FILM		R VALUE

'3.1 HEATING EQUIPMENT

Heat Source:	
Furnace Steam Hot Water Heat Supplied Steam or Hot Water Other Boiler Pump (External Boiler Plant)	
Capacity: 400 MBtu/Hr orBoiler HP orLbs/Hr Steam orGPM Hot Wa	ter
Manufacturer: Model No.: Model No.:	
Boiler/Furnace Control: Manual Time Clock X Demand EMCS 02 T	rim
Operating Temperature:°F Operating Pressure:	PS I
Fuel: Nat. Gas Only Nat. Gas/ Draft: Forced X Other (Specify) Rotter Induced	
Burner: Mfg. Ecohomite Model No. 400 H33 Metering Equipment: Yes X	i No
Operating Schedule: Weekdays: From To Hr/Day	
Weekdays & Holidays: From To Hr/Day Hr/Day	
Operating Season: From Mon/Day, to Mon/	Day
Flue Gas Temperature: °F Receiver Tank Conditions: PSIG	_°F
If supplied Steam Steam PressurePSI Hot Water Supply Temp °F Hot Water Return Temp	_°F
Insulation: (1) Boiler (2) Other (Specify)	
Poor Area FT ² Poor Area	
None Temp °F None Temp	_°F
Pump: No. of Pumps	
MfgModelHPRPM	
HW Pump Starter: HOA Reset P/B S/S Push Button Interlocked with Boiler? Yes	No
FOR LARGE BOILERS (over 6,000 MBTUH): Combustion Control Mfg. Model	
Condensate Pumps/Hot Water Pumps: Mfg. HP HP	
Boiler/Furnace Condition:	
Describe	
Occupant Discomfort (Evaluate):	
. Cocapano oracomore (Coardate).	

	LOCATION	FHL
	BLDG. #O	241
(If i	more than one,	how many
ormal	operation:)
	B+G 60-60-ZAMZ	
	OO. BO-CHWE	
	1HP	
	4601/34	
,	2.2/2.4/25	
)	

3.2 **LOOLING EQUIPMENT**

	FOR				
COMPRESSOR(S) CHILLER	AH 4-B	COOLING	TOWER		
Manufacturer	MCGNAY	Gravi			
Model No.	ALROZOAS	*	Draft		
Size			acturer		
Refrigerant	R-22	Model			· · · · · · · · · · · · · · · · · · ·
Motor HP (if available	e) <u>25 </u>	•	of Fan		
Motor Voltage	460/3%	Fan R			
Motor FLA	41	_	otor HP		
Measured Amps			otor Voltage		
DNDENSER/CONDENSING UNI	I T	Fan Mo	otor FLA		
Water Cooled		Measur	red Amps		
Air Cooled	~	CHILLED	WATER PUMPS (II	f mono than and	_
Evaporative				f more than one, hal operation:	-
Manufacturer			acturer	B+G	
Model No.		Model		60-60-ZAMZ	
Size			ity Gals.	DO BO-CHINE	
Type of Fan		Head,			
Fan Motor HP	3 e 3/44P	Motor		1 HP	
Fan Motor Voltage	460/16		Vol tage	4601/34	
Fan Motor FLA	3e2.4	Motor	-	2.2	
Measured Amps			red Amps	2.2/2.4/25	
NDENSER WATER PUMPS (If more than one. h	ow many operate on normal	Opomatica.		
Manufacturer			operación:		
Model No.			•		
Capacity, Gals.					
lead, Ft.					
lotor HP					
Motor Voltage					
-					
Motor FLA					
Measured Amps					
Motor FLA Measured Amps MARKS:					·

3.3 AIR HANDLING EQUIPMENT

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LOCATION BLDG. NO.	新
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<u>DO</u>	MESTIC HOT WATER HEATING SYSTEM / EQUIPMENT		BLOG. NO. 241
a.	Is System Supported from (check one):	Central Plant	One System per Building
b.	Domestic Hot Water Temperatures provided:	Several Small Systems ;	per Building
c.	Average Pipe Sizes of All HW Piping and Appr	oximate Run of Each:	
d.	Is Piping System Insulated and Condition:		
e.	Is Hot Water Circulated?		
	1) Condition of circulator	(3) Is aquietted	
	2) Circulator capacity		provided?perature setting
a. b. c. d.	Location Areas Served Manufacturer and Model Energy (Oil, Gas, Electric, Coal, Etc.)		
	Type Heaters & Quantities: 1) Storage 2) Instantaneous 3) Semi-Instantaneous		
	Heater Size and Storage Capacity		
	Heating Capacity		
	ype Controls (Mir, Steam, Electric)		
	hen Installed & Condition		
	eater Temperature Setting		
	verage Maintained Temperature		
	emperature Differential (j) - (k)		
	s Hot Water Supply Adequate:		
n. Ir o. 1	nsulation Thickness	Туре	

	LOCATION FHL BLDG. NO. 241_
NUAL NTINUOUS MAND	TIME CLOCK EMCS AITM B
CATION	

3.5 CONTROL/MISCELLANEOUS PROCESS/SKETCHES

CONTROL SYSTEM: CONTROLLERS:	ELECTRIC ELECTRONIC	PNEUMATIC	OPERATION:	MANUAL CONTINUOUS DEMAND	TIME CLOCK. EMCS AITM B
MFG		MODEL		LOCATION	
CONDITION (GIVE DE	ETAILED LIST OF PRO	BLEMS AS REQUIRED):		:	
					_
	· · · · · · · · · · · · · · · · · · ·		· · · · · · · · · · · · · · · · · · ·		

SCHEDAS AHU-B TIME COUK 0500 1730 0500 1630 0505 1700 W Th 0400 1730 0530 1700 ۲ 1200 1800 5 1200 1830 S

3.6 SPECIAL EQUIPMENT

IDENTIFICATION NO.	LOCATION (ROOM)	DESCRIPTION (MANUFACTURER, MODEL NO.)	CONNECTED LOAD KW	REMARKS
A.R. WMPRESCOR		SPEEDAIRE MIN 32495-2	3e 5HP	
MAIX-IN WID B	»X {	MARIER -083-AA		·
:		MARVER N/W 244P-8-083-AA COMPRISSOR 23-00/14/ COMPRISSOR 28 X5+P 2-	13A B-04/14/1.5A	:
NPS		MAGNETMAKS	ZOKVA	
				·
•				

BLDG.

LUCALIUM	DAYS/ LIGHTING FLOOR WATTS ILLUMI- CEI YEAR ENERGY SERVED SQ.FT. NATION HE	9												LIGHTING LEGEND:
	BER TOTAL HOURS/ F WATTS ON			46	, 9				6	7)		5		ļ
	LAMPS NUMBER PER OF FIXTURE FIXTURES AND	TIXTURE 1/2/10/2/2/2/2/2/2/2/2/2/2/2/2/2/2/2/2/2	1 2/2/2	45.4	7 22	12, 27	2 - 50	15/2	2/2	1 25	12/2	2/2/		
	LAMP TYPE AND	2 1	15	7	7	٦.	1	12	T	1	7	17	JING VERGY	
	FIXTURE	20th	MAN. SURP	my 2mg	SURFE	South	5ulg	2/2	٤	9	5	2	TOTAL BUILDING LIGHTING ENERGY	
LIGHTING	TASK CODE	EP 43	N. N.	五二	1/2	W 3 41 ()	17.0.	1		RIGH - Albe	471177	CAR CARM	 E:1	

Recessed = R Suspended * S Ventilated = V Pole Mounted * PM Other--Describe LIGHTING 4.2.1

12 = Storage room
13 = Retail store
(Px, commissary)
Other (describe on audit form)
E = Exterior

1 = Corridors 6 = Offices-drafting
2 = Kitchens 7 = Laundry
3 = Dining 8 = Toilets
4 = Offices-general 9 = Sleeping quarters
5 = Offices-bookkeeping 10 = Supply rooms 4 (ledgers only) 11 = Repair shops

If there are windows, indicate:

Lamp Types:

Fixture Types:

Curtains * C Shades * S No Shading = NS

Incandescent = I Fluorescent = F Sodium Vapor = SV Mercury Vapor = MV Metal Halide = MH Other--Describe

110	LIGHTING												5	LOCATION_	₽ I		4	四九		81.06.	
_														ᅙ	COLORS	E	FINISH	=			
	TASK CODE	FIXTURE	A.111	LAMPS PER FIXTURE AND	LAMPS NUMBER PER OF FIXTURE FIXTURES AND	TOTAL	HOURS/ DAY ON	DAYS/ YEAR ON	LIGHTING FLOOR ENERGY SERVED	FLOOR AREA SERVED	WATTS PER SQ.FT.	MEASURED ILLUMI- C NATION	MEASURED ILLUMI- CEILING NATION HEIGHT	O m	T-000		*4-1-	F-100	WINDOW CODE	REMARKS	
	•		WALTS	FIXTURE	·				(KWH/YR) (FT ²)		(W/FT ²)	(FC)	(FT)					2		(LIGHTS/SWITCH)	
18	4 mich	عمداك	رع_	- / Ç	2										_						
主党	#147 BAK.	June	1	1/2	22	`						\									
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1	101	TOTAL BUILDING LIGHTING ENERGY	ING PIGY								•										
									LIGHTING	5 N I	LEG	EGEND:					•				
	ì	,	•		Types:	vnes:		Wind	Window Code:	ļ					L	Tasks Code:	P S	اة	- 1		
		Fixture lypes:	9 6	ı	Incandescent = I	cent .	!	If there	If there are windows,	dows,	- Co	1 = Corridors		9	0	fice	ıp-s	6 = Offices-drafting		12 = Storage room	

<u>LIGHTING</u>
4.2.1

Recessed = R Suspended = S Ventilated = V Pole Hounted = PH Other--Describe

12 * Storage room
13 * Retail store
(Px, commissary)
Other (describe on
audit form)
E * Exterior

1 = Corridors 6 = Offices-drafting 2 = Kitchens 7 = Laundry 3 = Dining 8 = Toilets 9 = Sleeping quarters 5 = Offices-bookkeeping 10 = Supply rooms (ledgers only) 11 = Repair shops

If there are windows, indicate:

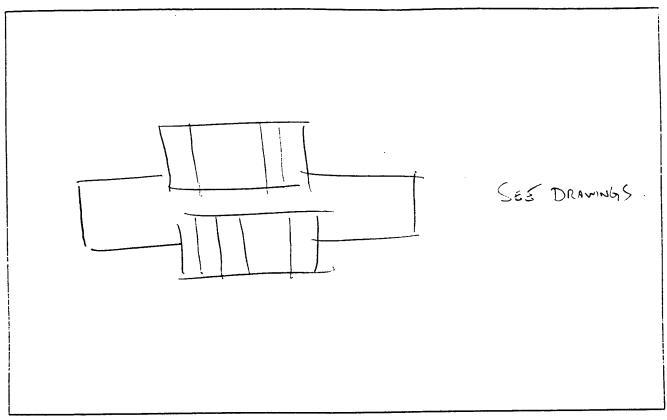
Curtains = C Shades = S No Shading = NS

Incandescent = I Fluorescent = F Sodium Vapor = SV Mercury Vapor = MV Metal Halide = MH Other--Describe

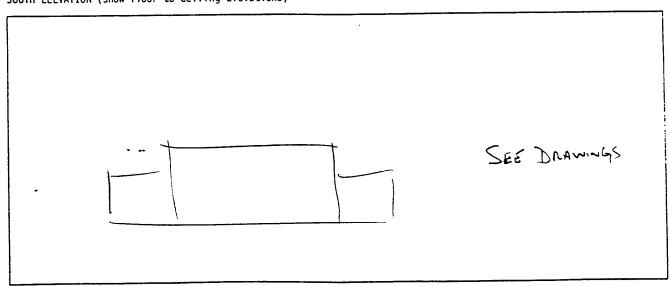
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DUPLICA	ATE	BUIL	DINO	3 NOS	S:																					
																							тот	AL:		
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J2112 C71																							TOT	TAL:		
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2.2 BUILDING FLOOR PLAN AND ELEVATION SKETCHES

FLOOR PLAN (Show dimensions and zones)



SOUTH ELEVATION (Show floor to ceiling elevations)



BUILDING FLOOR PLAN AND ELEVATION SKETCHES

LOCATION FIRE

	1				1			1			· · · · · · · · ·	1							
	REMARKS ***, ****				·														- CASEMENT - LOUVERED - FIXED GLASS
INFILTRATION	CRACK LENGTH		02)72	-													WINDOW TYPES:	44 RU RO
•	FIT LOOSE AUG		Losse	んつろを	2005													MIND	1 - DOUBLE HUNG 2 - SINGLE HUNG 3 - SLIDING
	W/S YES I NO																		1 - 00 2 - 51 3 - 5L
TYPE	OF FRAME**)7	W	N													 <u> </u>	REEN 1FY
	TRPL															U-VALUE		1011	ING AR SCI RHANG SPEC
GLAZING*	DBL															٥		****VISIBILITY:	E - AWNING F - SOLAR SCREEN G - OVERHANG OTHER - SPECIFY
) A	TYPE			_	~	-											LEGEND	¥ 1	mr 2 <u>0</u>
SIZE	L × H	344		624	4.4	_												DING:	SOLAR FILM VEN BLIND STORM WINDOW DRAPES
	£		7													AREA		***SHADING:	SOLAR VEN B STORM DRAPE
	3												<u> </u>	ļ		TOTAL AREA		•	4800
	æ				7										<u> </u>				A A
NUMBER	N								-		ļ			-		-			IL BREAK
N X			7										-	-				**FRAME:	- WOOD - METAL - METAL/THERMAL
	NE E		7		<u> </u>		-		_					-		_		#	00D ETAL ETAL/
	Z		<u>~</u>	7			-	1			<u> </u>	1							32F
+	TYPE	0					-	-				-				1			11116
D008/	WINDOW TY DESIG.	0	17	3	7													*GLAZING:	1 - ORDINARY 2 - 14" PLATE 3 - HEAT ABSORBING 4 - TINTED
'—		<u>!</u>	<u> </u>	·	<u> </u>	<u> </u>				1	_!	.1		_!					

BUILDING ENVELOPE CONSTRUCTION				LOCATIO	
WALL	COLOR: D	м 🔲 L 🛄	ROOF (INCL. CLG.)	TYPE: F COLOR: D	_ P
MATERIAL THI		R VALUE	MATERIAL	THICKNESS (IN.)	R VALUE =
OUTSIDE FILM			OUTSIDE FILM		· ·
				/	
INSIDE FILM			INSIDE FILM		
	TOTAL			TOTAL	
J-FACTOR	AREA		U-PACTOR	AREA	
MATERIAL THI	CKNESS (IN.)	R VALUE TANK	DOOR	THICKNESS (IN.)	R VALUE
OUTSIDE FILM	6	W	OUTSIDE FILM		
	in				
INSIDE FILM			INSIDE FILM		
	TOTAL		INSIDE FILM	TOTAL	
				•	
J-FACTOR	AREA		U-FACTOR	AREA	

'3.1 HEATING EQUIPMENT

Heat Source: Steam Hot Water Boiler	Heat Supplie	d Steam or Hot W al Boiler Plant)	aterOther	
Capacity: 650 MBtu/Hr or	Boiler HP or	Lbs/Hr S	team or	GPM Hot Water
Manufacturer: 15want	Mo	del No.:	-63-K	
Boiler/Furnace Control: Manual	Time Clock	Demand	EMCS	O ₂ Trim
Operating Temperature:	°F Op	erating Pressure	:	PSI
Fuel: Nat. Gas Only Nat. Gas/		Draft:	Forced Induced	
Burner: Mfg.	Model No	M	etering Equipment:	Yes No
Operating Schedule: Weekdays: Fro	m	То	Hr/Day	
Weekdays & Holidays: Fro	m	To	Hr/Day	
	m	Mon/Day,	to	Mon/Day
Flue Gas Temperature:°F Rec	eiver Tank Conditio	ns:	PSIG	°F
If supplied Steam or Hot Water: Steam PressurePSI Insulation: (1) Boiler	Hot Water Supply T			
Poor Area	ET2		ify) Area	
None Temp.				
Pump: No. of Pumps				
Mfg. B4G	Model 14T-	DZ.	HP 3/4	RPM 1750
HW Pump Starter: HOA Reset P/	B S/S Push Bu	tton Interlo	cked with Boiler?	Yes No
FOR LARGE BOILERS (over 6,000 MBTUH): Combust	ion Control Mfg		Mode1	
Condensate Pumps/Hot Water Pumps: Mfg		_ Model	•	НР
Boiler/Furnace Condition:	·			
Describe	MA			
Occupant Discomfort (Evaluate):				

2 COOLING EQUIPMENT

MPRESSOR(S)/CHILLER	COOLING TOMER
Manufacturer	Gravity ———
Model No	Mech. Draft
Size	Manufacturer ———————————————————————————————————
Refrigerant	Model No
Motor HP (if available)	Type of Fan
Motor Voltage	Fan RPM
Motor FLA	Fan Motor HP
Measured Amps	Fan Motor Valtage
	Fan Motor FLA
ONDENSER/CONDENSING UNIT	Measyred Amps
Water Cooled	CHYLLED WATER PUMPS (If more than one, how many
Air Cooled	operative during normal operation:
Evaporative	/
Manufacturer	Manufacturer
Model No	Model No.
Size	Capacity Gals.
Type of Fan	Head, Ft.
Fan Motor HP	/ Motor HP
Fan Motor Voltage	Motor Voltage
Fan Motor FLA	Motor FLA
Measured Amps	Measured Amps
CONDENSER WATER PUMPS (If more than one, how	w many operate on normal operation:)
Manufacturer	
Model No.	
Capacity, Gals.	
Head, Ft	
Motor HP	•
. Motor Voltage	
Motor FLA	
Measured Amps	
REMARKS:	

3.3 AIR HANDLING EQUIPMENT

LOCATION FIX.
BLDG. 110.

FANS				
Туре		-		
Unit/Zone	#	<u> </u>	#	<u>÷</u>
Manufacturer				
Model No.		-		
Туре	-			
RPM of Fan	*** · · · · · · · · · · · · · · · · · ·			
Motor HP				Z
Motor Volts				
Motor FLA				
Measured Amps	•			
CFM (from Plans)				
Notes				
COILS				
Indicate capacities	where found:			
	COOLING	11	HUMIDIFICATION	
	DX	UM/	ELEC	T
	н ₂ 0		STEAM	
	OTHER		H ₂ 0	
	HEATING		OTHER	
	GAS		AUX/MISC OTHER	
	н ₂ 0		,	
	ELEC			
	OTHER			
FILTERS				
Type				
Condition				
Manometer Reading 1/				
$\frac{1}{2}$ Record only if ma	anometer is installed o	n the unit.		

LOCATIO	V FAIT
BLCG. #O.	252

DOMESTIC HOT WATER HEATING SYSTEM / EQUIPMENT a. Is System Supported from (check one): Central Plant ★ One System per Building Several Small Systems per Building 110 Domestic Hot Water Temperatures provided: c. Average Pipe Sizes of All HW Piping and Approximate Run of Each: 2019 d. Is Piping System Insulated and Condition: e. Is Hot Water Circulated? DOMESTIC HOT WATER HEATING EQUIPMENT (If more than one location, list each one) Location Areas Served AMERICAN EFR-SZ-ID Manufacturer and Model Energy (Oil, Gas, Electric, Coal, Etc.) Type Heaters & Quantities: 1) Storage 2) Instantaneous 3) Semi-Instantaneous f. Heater Size and Storage Capacity Heating Capacity Type Controls (Air, Steam, Electric) When Installed & Condition MIZID Heater Temperature Setting j. Average Water Maintained Temperature Temperature Differential (j) - (k) Is Hot Water Supply Adequate: Insulation Thickness Insulation Material

3.4

LIGHTING

7						T									•		
		REMARKS	(LIGHTS/SWITCH)													!	12 = Storage room 13 = Retail store (PX, commissary) Other (describe on audit form) E = Exterior
		WINDOW															
		- 	<u>~</u>			<u> </u>	-	 - -		 	ļ <u>.</u>	<u> </u>					Offices-drafting Laundry Toilets Sleeping quarters Supply rooms Repair shops
	FINISH	3∢-			 	-	<u> </u>	 	-	 	-	1				ë	Offices-draft Laundry Toilets Sleeping quar Supply rooms Repair shops
	Ξ	שט	· z o							 						Tasks Code:	ry ry ry ry
	S	T-100	~													asks	Offices Laundry Toilets Sleepin Supply Repair
	COLORS	344			<u> </u>												
	<u> </u>		. z u			<u> </u>	ļ	<u> </u>	<u> </u>								9 N 8 6 0 E
		CE IL ING HE I GHT	(FT)														ral keeping //
		MEASURED 11LUMI - CETLING NATION HEIGHT	(FC)												. O N		Kitchens 7 = Dining 8 = Offices-general 9 = Offices-bookkeeping 10 = (ledgers only) 11 =
		WATTS PER SQ.FT.	(W/FT ²)											·	L E G E		3 = Kitcl 3 = Dinte 4 = Office (ledge
		FLOOR AREA SERVED													S N	ļ	Š
		LIGHTING ENERGY	(KWH/YR) (FT ²)												LIGHTIN	Window Code:	If there are windows, indicate: Curtains = C Shades = S No Shading = NS
		DAYS/ YEAR ON		:											اب	Window	f there are wind indicate: Curtains = C Shades = S No Shading = NS
		HOURS/ DAY ON														1	
		TOTAL		dato	Obb	1120					-					pes:	ent = I ent = F por = SV por = MV ide = MH
		NUMBER OF FIXTURES		19	rh	Oc		:					•			Lamp Types:	Incandescent = Fluorescent = Sodium Vapor = Mercury Vapor = Metal Halide = OtherDescribe
		LAMPS PER FIXTURE AND		10	Or,	200										į	- vēgo
			WA! IS	1/3	T/200	er/								RGY		es:	as > M
		FIXTURE TYPE		2	<u> </u>	5			ţ					TOTAL BUILDING LIGHTING ENERGY		Fixture Types	Recessed = R Suspended = S Ventilated = V Pole Mounted = PM OtherDescribe
		TASK CODE		SE SE SE SE SE SE SE SE SE SE SE SE SE S	•									TOTA Ligh		Fix	Su Su Ven Pole Othe

LIGHTING 4.2.1

LOCAT	ION	FIR_
BLDG.	NO.	252

4.2 LIGHTING (continu	ed)
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4.2.2 Exterior Lighting

ACTUAL NO. OF FIXTURES	TYPE OF FIXTURE	NO. OF FIXTURES IN USE	WATTS/ TOTAL FIXTURE WATTS 300 7100	TYPE*	REMARKS
7	I		60 420		
•:					

CALCULATIONS

WATTS OF INTERIOR LIGHTING

Actual at time of survey

Total installed

WATTS OF EXTERIOR LIGHTING

Actual op at time of survey

* M = Manual T = Timer P = Photocell

Total installed_

Enter schedule under Remarks.

LOCATI	ON	Fitz	
BLDG.		252	

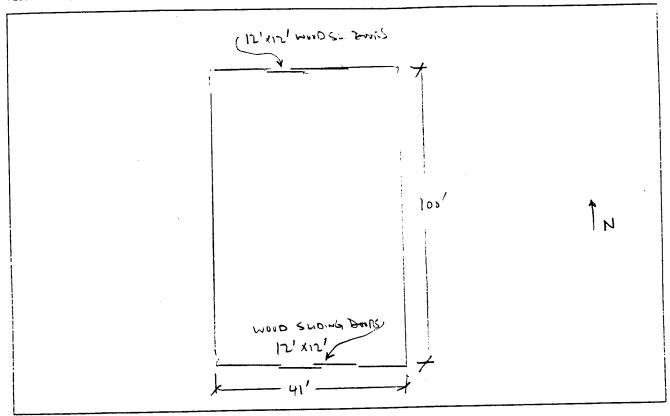
4. <u>3 P</u>	OWER USAGE SURVEY			
4.3.1	CRITICAL LOAD (Compute	r. Communicatio	ons)	
	Describe:	COMPUTED	15	
				•
4.3.2	RECEPTACLES IN USE		PERCENT	
	•			
4.3.3	SMALL APPLIANCES IN US	E (ENTER COUNT)	
	Water Cooler			
	Vending Machine			
	Space Heater			
	Coffee Pot	<u> </u>	- .	
	TV		•	
	XEROX		_	
	Other:			
			-	
	· •			
			_	

CATIO	N_	7	TH	レ					s	URVE	YED	BY_		R	<u>با اح</u>	/ R	15	<u> </u>				D.	ATE_	OL.	T'92
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																		<u> </u>							
IERAL BU	ILD	ING	DATA																						
BUILDI	NG .	AGE:					Y	EARS																	
DUPLIC	ATE	BUI	LDIN	G NO:	S:																				
***************************************																						TOT	AL:		
SIMILA	RR	ח וזוו	ING	NOS •																					
- 3																						TOT	AL:		
BUTIET	NC.	0000	DANC	· ·									Г			-									۸
BUILDI									OCCU OCCU										NO	-					AT
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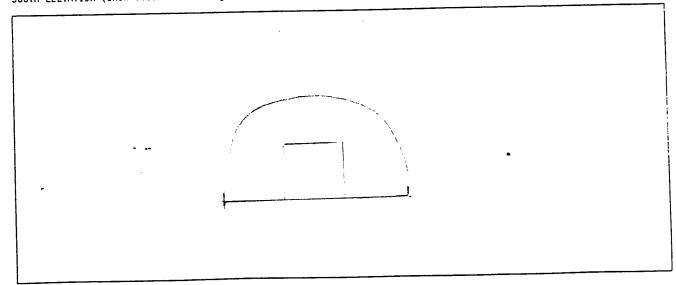
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																<u>.</u>	-								
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2.2 BUILDING FLOOR PLAN AND ELEVATION SKETCHES

FLOOR PLAN (Show dimensions and zones)



SOUTH ELEVATION (Show floor to ceiling elevations)



	1	1				1	1	i	i		 i							
	REMARKS *** ****									•								4 - CASEMENT 5 - LOUVERED 6 - FIXED GLASS
INFILTRATION	CRACK LENGTH																WINDOW TYPES:	4.00
i	FIT LOOSE AUG																MINDC	- DOUBLE HUNG - SINGLE HUNG - SLIDING
	W/S YES NO																	2 - 51 3 - 5L
TYPE	OF FRAME**																ان	EEN FY
*	TRPL														U-VALUE		****VISIBILITY:	E - AWNING F - SOLAR SCREEN G - OVERHANG OTHER - SPECIFY
GLAZING*	PE 0BL											1			_	EGEND:	****	F - SC G - OC OTHER
_	ТУРЕ		-			ļ				-						9		
SIZE	L×H	ימו×ימן															***SHADING:	A - SOLAR FILM B - VEN BLIND C - STORM WINDOW D - DRAPES
	¥														REA	_	*SHA	OLAR FEN BI TORM
	3														TOTAL AREA		#	1111
	MS								 						2			
2 2	S																	BREAK
NUMBER	SE						 	-	 				-				Æ:	SMAL
	ш			- .					1 -					•			**FRAME:	-/THE
	发				-	-									<u> </u>		-	- WOOD - METAL - METAL/THERMAL BI
	z	_						İ										32-
-	TYPE																	8116
/ 4000	NINDOW T	SLIDING Door															*GLAZING:	1 - ORDINARY 2 - 1," PLATE 3 - HEAT ABSORBING 4 - TINTED

	Quonset H			TYPE: F	P
HALL ALL	COLOR: D] M 🗸 r	ROOF (INCL. CLG.)	COLOR: D	M
MATERIAL	THICKNESS (IN.)	R VALUE	MATERIAL	THICKNESS (IN.)	R VALUE
OUTSIDE FILM			OUTSIDE FILM		
META	·				
Cetaraga					
INSIDE FILM			INSIDE FILM		
	TOTAL			TOTAL	
	4054		U-FACTOR	AREA	
U-FACTOR .	AREA		DOOR		
FLOOR			DOOR		P VALUE
FLOOR MATERIAL	THICKNESS (IN.)	R VALUE	DOOR	THICKNESS (IN.)	R VALUE
FLOOR		R VALUE	DOOR		R VALUE
FLOOR MATERIAL		R VALUE	DOOR		R VALUE
FLOOR MATERIAL		R VALUE	DOOR	THICKNESS (IN.)	R VALUE
FLOOR MATERIAL		R VALUE	DOOR		R VALUE
FLOOR MATERIAL		R VALUE	DOOR	THICKNESS (IN.)	R VALUE
FLOOR MATERIAL OUTSIDE FILM		R VALUE	DOOR MATERIAL OUTSIDE FILM	THICKNESS (IN.)	R VALUE
FLOOR MATERIAL	THICKNESS (IN.)		DOOR	THICKNESS (IN.)	R VALUE
FLOOR MATERIAL OUTSIDE FILM			DOOR MATERIAL OUTSIDE FILM	THICKNESS (IN.)	

LOCATION	FHL
BLDG. NO.	283

'3.1 HEATING EQUIPMENT

Heat Source: Steam Hot Water Boiler Boiler	Heat Supp	olied Steam or Hot Wat Bernal Boiler Plant)		NNIT HERTS	<u>:tr2</u>
Capacity: 75,000 Btu/Hr or	Boiler HP or _	Lbs/Hr Ste	am or	GPM Hot W	later
Manufacturer:		Model No.:			
Boiler/Furnace Control: Manual	Time Clock	Demand	EMCS	02	Trim
Operating Temperature:	°F	Operating Pressure:			_PSI
Fuel: Nat. Gas Only Nat. Gas/Other (Specify) PROPENS		Draft:	Forced Induced		
Burner: Mfg.	Model No	Met	ering Equipment:	Yes	No
Operating Schedule: Weekdays:	From	То	Hr/Day		
Weekdays & Holidays:	From	To	Hr/Day		
Operating Season:	From	Mon/Day, to)	Mor	ı/Day
Flue Gas Temperature:°F	Receiver Tank Condi	itions:	PSIG		°F
If supplied Steam or Hot Water: Insulation: (1) Boiler	_PSI Hot Water Suppl	y Temp°F (2) Other (Specif			
Poor Area	1				
None : Temp		°F None Te	emp		°F
Pump: No. of Pumps		V/PH/FLA	/		
Mfg	Model		HP	RPM	
HW Pump Starter: HOA Res	et P/B S/S Pusi	h Button Interloc	ked with Boiler?	Yes	No
FOR LARGE BOILERS (over 6,000 MBTUH): Co	mbustion Control Mfg	•	Mode1		
Condensate Pumps/Hot Water Pumps: Mfg			•	HP	
Boiler/Furnace Condition:					
Describe					
Occupant Discomfort (Evaluate):					

3.2 COOLING EQUIPMENT

MPRESSOR(S)/CHILLER	COOLING TOWER
Manufacturer	Gravity
Model No.	Mech. Draft
Size	Manufacturer
Refrigerant	Model No.
Motor HP (if available)	Type of Fan
Motor Voltage	Fan RPM
Motor FLA	Fan Motor HP
Measured Amps	Fan Motor Voltage
	Fan Motor FLA
ONDENSER/CONDENSING UNIT	Measured Amps
Water Cooled	CHILLED WATER PUMPS (If more than one, how many
Air Cooled	operative during normal operation:)
Evaporative	
Manufacturer	Manufacturer
Model No.	Model No.
Size	Capacity Gals.
Type of Fan	Head, Ft
Fan Motor HP	Motor HP
Fan Motor Voltage	Motor Voltage
Fan Motor FLA	Motor FLA
Measured Amps	Measured Amps
CONDENSER WATER PUMPS (If more than one, ho	w many operate on normal operation:)
Manufacturer	
Model No	
Capacity, Gals.	
Head, Ft	
Motor HP	•
. Motor Voltage	
Motor FLA	
Measured Amps	
1 2000	Coolers c 3/4 HP EA WHER LEAK COME
REMARKS: EVAPORA TIVE	(APPRIX 120 DR.R/mu
1 1 200 1120	T Pump (2 Tous +)
7 MINDON HER	ii i waa

CONTROL/MISCELLANE	OUS PROCESS/SKETCHES			BLDG. NO. 283
CONTROL SYSTEM: CONTROLLERS:	ELECTRIC PNEUMATIC ELECTRONIC	OPERATION:	MANUAL CONTINUOUS DEMAND	TIME CLOCK
MFG	MODEL_		LOCATION_	
CONDITION (GIVE DE	TAILED LIST OF PROBLEMS AS REQUIRED):		: :	
SEPARATE	T. STAT FIR EACH WAIT HEA	Tall		
TANKAM	CONTROL OF THEAT PAMP & EVAP	LooleRS		_
	-			

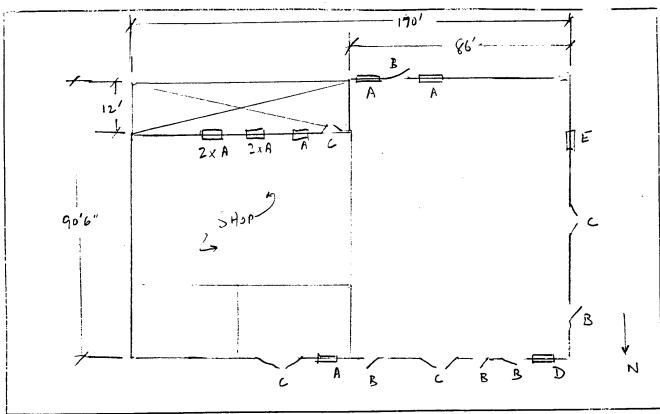
3.5

•,	4.2.1 Interior	Lightii	ng		,			, 								
BLDG. 283	REMARKS	(LIGHTS/SWITCH)									-					12 = Storage room 13 = Retail store (Px, commissary) Other (describe on audit form) E = Exterior
至	WINDOW															ıa.
	11. 10.00												ļ			Offices-drafting Laundry Toilets Sleeping quarters Supply rooms Repair shops
ŀ	N I L A M														ode	-dra
	E OMHJHZ	ဗ											Ì		S	dry dry ets pin ir
٦	S														Tasks Code:	Offices-draft Laundry Toilets Sleeping quar Supply rooms Repair shops
LOCATION	N I I I I I I I I I I I I I I I I I I I															B H H H H H
207		(FT)														= Corridors 6 = 0f = Kitchens 7 = La = Dining 8 = To = Offices-general 9 = S1 = Offices-bookkeeping 10 = Su (ledgers only) 11 = Re
	- e-	-														neral okkeep nly)
	MEASURED ILLUMI- NATION	E												O		idors thens ng ces-ge ces-bo
	WATTS PER SQ.FT.	(W/FT4)												LEGEN		2
	FLOOR AREA SERVED	1												I G	1	* S MG
	LIGHTING FLOOR ENERGY SERVED	(KWH/YR) (FT ²)												LIGHTIN	Window Code:	If there are windows, indicate: Curtains = C Shades = S No Shading = NS
	DAYS/ YEAR ON							·						- 1	Windo	if there indi Curta Sha No Shad
	HOURS/ DAY ON														:	
	TOTAL														pes:	ent = I ent = F por = SV por = MV ide = MH
	LAMPS NUMBER PER OF FIXTURE FIXTURES AND WATTS/	21	9	4		:						•			Lamp Types	Incandescent = Fluorescent = Sodium Vapor = Mercury Vapor = Metal Halide = OtherDescribe
	LAMPS PER FIXTURE AND AND WATTS/	# + T	- 6	1/2											1	I SEEO
	LAMP TYPE AND WATTS	下中	7 100	464		·							ING RGY		es:	ribe
	FIXTURE	\ \	S	S		ک ^ر سار							TOTAL BUILDING LIGHTING ENERGY		Fixture Types:	Recessed * R Suspended * S Ventilated * V Pole Mounted * PM Other-Describe
LIGHTING	TASK	Strop	. 21	17		10							10T		٣	St. Ver Pole Othe
	· 	·	` _,	·	·		<u>'</u>		•	,	<u>'</u>	<u> </u>	· ·	•		LIGHTING

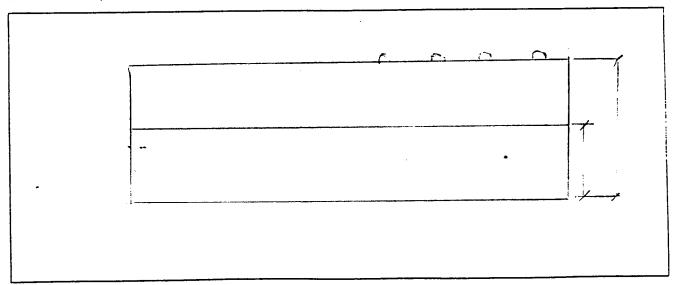
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DING NUM	MBER		$\int_{-\infty}^{\infty}$	C	2_			FI	UNCT	ION/	USE_	4		FU	R) {	20	<u> </u>	·F	> 4	30	Z.	
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RAL BUIL	DING	DATA																						
BUILDING	G AGE:		146	W	<u> </u>	YE.	ARS																	
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BUILDING												_	_;			į.		NC). OF	000	CUPAI	NTS_		7-
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2.2 BUILDING FLOOR PLAN AND ELEVATION SKETCHES

FLOOR PLAN (Show dimensions and zones)



SOUTH ELEVATION (Show floor to ceiling elevations)



BUILDING FLOOR PLAN AND ELEVATION SKETCHES

LOCATION Fit.
BLDG. 110. 790

		REMARKS *** ***													!	4 - CASEMENT 5 - LOUVERED 6 - FIXED GLASS
	INFILTRATION	CRACK I FRGTH	1255	15.51	72										WINDOW TYPES:	4
	- 1	FIT 100SF AUG			;										WINDON	1 - DOUBLE HUNG 2 - SINGLE HUNG 3 - SLIDING
		W/S	L													- 5LI
-		YES	>	7	7										•	3 6 7
	TYPE	OF FRAME**	Ş	٤	5.	\$	£								!	W -
		TRPL											TOE		ILITY	G SCRE ANG PECIF
	GLAZING*	180											U-VALUE	••1	****VISIBILITY:	E - AWNING F - SOLAR SCREEN G - OVERHANG OTHER - SPECIFY
	ָלָאַ פֿרָאַ	TYPE	_		-									O N	# #	5 5 5
	SIZE	L×H	"ocx be	32" 124 3"	% . * 43	36'x 7!	۲× '۲× '۶		:					L E G E	NG:	SOLAR FILM VEN BLIND STORM WINDOW DRAPES
	П	¥		- 01			101						<u> </u>		***SHADING:	SOLAR FILM VEN BLIND STORM WINDOI DRAPES
		3			_	_	~						TOTAL AREA		*	1 1 1 1
		NS											T0T		J	48 00
ER	IN IN	S	7													BREAK
NUMBER	EXPOS	SE						-							::	MAL B
		u										•			**FRAME:	/THER
		분													*	W - WOOD M - METAL T - METAL/THERMAL
		Z				W	7			 						7 1 1 2 2 1-
	7407	2	+	10	Prote											81116
			4	0	\overline{D}	μΔ	J								*GLAZING:	1 - ORDINARY 2 - 1," PLATE 3 - HEAT ABSORBING 4 - TINTED

BUILDING ENVELOPE			·	LOCATI	o. <u>'29</u>
CONSTRUCTION WALL	COLOR: D] M [L [ROOF (INCL. CLG.)	TYPE: F COLOR: D	
MATERIAL	THICKNESS (IN.)	R VALUE	MATERIAL	THICKNESS (IN.)	R VALUE
OUTSIDE FILM		0.25	OUTSIDE FILM	1	0.25
ME (POL SIDE		0.61	MATTER OTHER		0.61
BATT 3" FRAME UMP		1100	2-19		19.00
France			ail		0.45
UYP		0.45			
INSIDE FILM		0.68	INSIDE FILM		0.68
		<u> </u>			
U-FACTOR O. U	TOTAL AREA	12.49	U-FACTOR O.O.	TOTAL	20.99
FLOOR	& AREA		DOOR	AREA	
FLOOR MATERIAL		12.99	DOOR		2 o.99
FLOOR	& AREA		DOOR	AREA	
FLOOR MATERIAL	& AREA		DOOR	AREA	
FLOOR MATERIAL	& AREA		DOOR	AREA	
FLOOR MATERIAL	& AREA		DOOR	AREA	
FLOOR MATERIAL OUTSIDE FILM	& AREA		DOOR	AREA	
FLOOR MATERIAL	& AREA		DOOR MATERIAL OUTSIDE FILM	AREA	
FLOOR MATERIAL OUTSIDE FILM	THICKNESS (IN.)		DOOR MATERIAL OUTSIDE FILM	THICKNESS (IN.)	

LOCATION	THE
BLDG. HO.	7.90

'3.1 HEATING EQUIPMENT

Heat Source: Furnace	Heat Sup	plied Steam or Hot Wat ternal Boiler Plant)	er Other_	
Capacity: <u>&16 M</u> Btu/Hr or	, , , , , , , , , , , , , , , , , , , ,	·	am or	GPM Hot Water
Manufacturer: CRAHE				
Boiler/Furnace Control: Manual				O ₂ Trin
Operating Temperature:	10 °F	Operating Pressure:		-
Fuel: Nat. Gas Only Nat. Gas/ Nat. Gas/ Other (Specify)		Draft:	Forced Induced	
Burner: Mfg.	Model No.	Mete	ring Equipment:	Yes No
Operating Schedule: Weekdays:		То		
Wee kdays & Hol idays:		To	Hr/Day	
Operating Season:	From	Mon/Day, to_	· · · · · · · · · · · · · · · · · · ·	Mon/Day
If supplied Steam or Hot Water: Steam Pressure Insulation: (1) Boiler Poor Area	F	(2) Other (Specify)a_	
None Temp. Pump: No. of Pumps Mfg. PW Pump Starter: HOA Rese	Model()=157(V/PH/FLA	UIP 7. R	/
				Yes No
FOR LARGE BOILERS (over 6,000 MBTUH): Com			_ Mode1	
Condensate Pumps/Hot Water Pumps: Mfg		Model		HP
Boiler/Furnace Condition:				
Describe				
Occupant Discomfort (Evaluate):				

2 COOLING EQUIPMENT

COMPRESSOR(S)/CHILLER	PACKAGED		COOLING TOMER	
Manufacturer	TRANTE_	CARRIER	Gravity	
	GAC25BRM	5590 Poso	Mech. Draft	
Size	26 T.NS		Manufacturer	
Refrigerant	22-22		Model No.	
Motor HP (if available)			Type of Fan	
Motor Voltage	440	230	Fan RPM	
Motor FLA	44	21.3	Fan Motor HP	
Measured Amps			Fan Motor Voltage	/
,	<u></u>		Fan Motor FLA	/
CONDENSER/CONDENSING UNIT			Measured Amps	<u> </u>
Water Cooled			THE CALL OF THE PARTY (f more than one, how many
Air Cooled				nal operation:)
Evaporative				000
Manufacturer			Manufacturer	10257051300×1442
Model No.	 ,		Model No.	1015 105 105
Size			Capacity Gals.	
Type of Fan		1/	Head, Ft.	
Fan Motor HP		12:43	Motor HP	460
Fan Motor Voltage	440	230/14	Motor Voltage	1.8
Fan Motor FLA	<u>4.3</u>	2.0	Motor FLA	<u> </u>
Measured Amps			Measured Amps	
CONDENSER WATER PUMPS (1	If more than one	, how many operat	e on normal operation: _)
Manufacturer				Same all us me
Model No.			ZEA - B1	ARD PICOD ALCHNITS
Capacity, Gals.			Lung	russin: 2400/3A/3\$
Head, Ft.		/_		: KAN. 240 1 /3.6A/ \$
Motor HP		<u> </u>		: TAN:
, Motor Voltage				- STR.P: 240V/21.7A/34/9L
Motor FLA			H ENT	- 2 nc.p. 2 iday or 111 27 in
Measured Amps				
	= 21/2 "	00-4-	ids itsoutto	Λ
REMARKS:	01-012	VIVE I PE	V) , 3C.311.5	

3.3 AIR HANDLING EQUIPMENT

FANS			
Туре	Arti		
Unit/Zone	# 124 #		
Manufacturer	TRANE	<u> </u>	
Model No.	CLCH		
Туре			
RPM of Fan			
Motor HP			
Motor Volts	230		
Motor FLA			
Measured Amps	5.8		
CFM (from Plans)			
Notes			
COILS			
Indicate capacities	where found:		
	COOLING	HUMIDIFICATION	_
•	DX	ELEC	
	н ₂ 0		
	OTHER	H ₂ 0	
	HEATING	OTHER	
	GAS	AUV AUT DE OTUES	
	H ₂ 0		
	ELEC		
	OTHER		
			
FILTERS			
Туре		•	
Condition	OK		
Manometer Reading 1/			
		- Lun	-
1/ Record only if ma	nometer is installed on the unit.		
ALLESSUR	T HEATERS 2301/30	20.8 FLA 31.1	
•	. ,	31.1	
		41.5	

52.0 Y

AIR HANDLING EQUIPMENT

LOCATION BLOG. #0.	Fitz
ner Quildi	na

<u>DO</u>	MESTIC HOT WATER HEATING SYSTEM / EQUIPME	NT	BLDG. ::0.
a.	Is System Supported from (check one):	Central Plant Several Small Sy	One System per Building
b.	Domestic Hot Water Temperatures provided	:120	³F
c.	Average Pipe Sizes of All HW Piping and A	Approximate Run of Each:	
d.	Is Piping System Insulated and Condition:	ມວ	
e.	Is Hot Water Circulated? 412	2	
	1) Condition of circulator	2. 3) Is an	eastat provided?
	2) Circulator capacity 1/17 1+	2) 4) Aquas	at tomorrows
DOM	ESTIC HOT WATER HEATING EQUIPMENT (If mor	e than one location, list	each one)
a.	Location	MECH	
b.	Areas Served	On a	
c.	Manufacturer and Model	AZSWIDI	EJ-197-681
	Energy (Oil, Gas, Electric, Coal, Etc.)	PROPANE	12111 6001
	Type Heaters & Quantities:		
	1) Storage		
	2) Instantaneous		
	3) Semi-Instantaneous		
f.	Heater Size and Storage Capacity	im GAT-	
	Heating Capacity	197 MBL +	
	Type Controls (Air, Steam, Electric)	FILEC.	
	When Installed & Condition	MED	
	Heater Temperature Setting		
	Average Water Maintained Temperature		
	Temperature Differential (j) - (k)		
	Is Hot Water Supply Adequate:	,	
	Insulation Thickness		
	Insulation Material -		

3.5	CONTROL/MISCELLANEOUS PROCESS/SKETCHES				LOCATION FILE BLOG. 110. 290
	CONTROL SYSTEM: CONTROLLERS: ELECTRIC ELECTRONIC	PNEUMATIC	OPERATION:	MANUAL CONTINUOUS DEMAND	TIME CLOCK
	MFG	MODEL		LOCATION	
	CONDITION (GIVE DETAILED LIST OF PROBLEMS	AS REQUIRED):	·		
	SETT. NGS: ON 6:30 AM	1			
	OKE 7:00 PM	\			
	AMA SET NA FOR ECUND	miter - No	T 0 = 1 A	Total Page	213

3.6 SPECIAL EQUIPMENT

LOCATION (ROOM)	DESCRIPTION (MANUFACTURER, MODEL NO.)	CONNECTED LOAD KW	REMARKS
	SPLEDAIRS	10 HP	·
1	SEARS W/N 113 179921	2 HP	:
SER	GL M/N 30-776	SHP	·
nt .	DATTON MUTOR	146	
	GRIEVE MIN B3-450	HOKN	Tompset e 410%
758		NSHP	
		· · · · · · · · · · · · · · · · · · ·	
	(ROOM)	(ROOM) (MANUFACTURER, MODEL NO.) SPLEDAIRE SEARS M/N 113.179921 BER GL M/N 30-776 TH DATTON MUTOR GRIEVE M/N B3-450	(ROOM) (MANUFACTURER, MODEL NO.) SPEEDAIRE 10 HP SEARS WIN 113.179921 2 HP BER GL MIN 30-776 5HP TH DATEN MUTOR 1HP GRIEVE MIN B3-450 40 KW

240	I												
BLDG. 2c	REMARKS (LIGHTS/SWITCH)												12 = Storage room 13 = Retail store (PX, commissary) Other (describe on audit form) E = Exterior
	KINDOW												ì
	NISH NISH N F L O O L L B												Tasks Code: Offices-drafting Laundry Toilets Sleeping quarters Supply rooms Repair shops
10N	COLORS CC I									-			Tasks C 6 = Offices 7 = Laundry 9 = Toilets 9 = Sleepin 10 = Supply 11 = Repair
LOCATION													6 0 0 0 0 1 0 1 1 1 1 1 1 1 1 1 1 1 1 1
_	CETL ING HEIGHT (FT)												ieral ikkeepin
	MEASURED 11LUMI- CETLING NATION HEIGHT (FC) (FT)												GEND: Corridors Kitchens Dining Offices-general Offices-bookkeeping
-	WATTS PER SQ.FT. (W/FT ²)												1 = Corr 2 = Kitch 3 = Dinis 4 = Offis 5 = Offis
	FLOOR AREA SERVED	1 1											dows,
	LIGHTING FLOOR ENERGY SERVE (KWH/VR) (FT ²)	,											LIGHTING Window Code: If there are windows, indicate: Curtains = C Shades = S No Shading = NS
÷	DAYS/ YEAR ON	·		_							,		Mind Mind If there ind find Sha
	HOURS/ DAY ON												
	TOTAL WATTS		,									•	Pes: tent # I spor # SV spor # MV ide # MH
	NUMBER OF FIXTURES	5	3	0	2	i	6	0	9				Lamp Types: Incandescent = Fluorescent = Sodium Vapor = Mercury Vapor = Metal Halide = OtherDescribe
	LAMPS PER FIXTURE AND WATTS/	N. C. C. C. C. C. C. C. C. C. C. C. C. C.	1.55	1/2	32,1	15	1/2	12	- 20				, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
	LAMP TYPE AND WATTS	٧	2	17	1)_		u_	7	4			ING	Pess: R R R R R R R R R R R R R R R R R R R
	FIXTURE	i	5	5	2	5	, ~		\ \ \			TOTAL BUILDING	Fixture Types: Recessed # R Suspended # S Ventilated # P Pole Hounted # P
LIGHTING	TASK	(בַּמַבֵּיל	-	विवहराद	June.	ofrice	OFFICE.	ornie	MECH	*		101	Pole Oth
_,	•			<u> </u>									LIGHTING 4.2.7

/				I	· · · · ·	······································		γ		. 1	- 1					
BLDG. 290		REMARKS	(LIGHTS/SWITCH)					·								
		MINDOM CODE														
. \	± L	00	×													
LOCATION TO	FINISH C	* <														•
\prod	E 3"	:														
ار	S "	00	~												.	
<u> </u>	COLORS	3 K J -	,													
CAI	8	· :	z													
5		CETL ING HEIGHT	(FT)		-											
	MEASURED	ILLUMI- CEILING NATION HEIGHT	(FC)				·									GEND:
		Sq.FT.	(W/FT ²)					·			50-60				•	L E G
	8	AREA														1 1 N G
		LIGHTING ENERGY	(KWH/YR) (FT ²)	;												L I G H 7
		YEAR														
) di OH	ON N														
		TOTAL WATTS			`										•	
		FIXTURE FIXTURES		40	4	n	_	. ب	٨	7	20	0G	7	در		
	AWD.	PER FIXTURE	HATTS/ FIXTURE	1	1 cr	2/2	2/2	2/2	225	n/i	Zír	7,3	5 /cv	1/2		
		LAMP TYPE AND	S S	ال	7	17	T	٦٢.	17	//_	12	(2)	(1_	T	ING	
		FIXTURE		r	n	عموز	2	v	2	8	2	Sust	r an	Suc?	TOTAL BUILDING LIGHTING ENERGY	
LIGHTING		TASK CODE		JAK.	·	#25	2,6	610 MEV.	Pr Zim	されている	ASK 2.1	Recept	जिंह १८६	08.51.66 2	101	

LIGHTING 4.2.1

Recessed = R Suspended = S Ventilated = V Pole Hounted = PM Other--Describe

12 = Storage room
13 = Retail store
(Px, commissary)
Other (describe on
audit form)
E = Exterior

Corridors 6 * Offices-drafting
Kitchens 7 * Laundry
Dining 8 * Toilets
Offices-general 9 * Sleeping quarters
Offices-bookkeeping 10 * Supply rooms
(ledgers only) 11 * Repair shops

If there are windows, indicate:

Window Code:

Lamp Types:

Fixture Types:

Curtains = C Shades = S No Shading = NS

Incandescent = I Fluorescent = F Sodium Vapor = SV Mercury Vapor = MV Metal Halide = MH Other--Describe

Tasks Code:

671

Locati	on	FHL	
BLDG.	NO.	290	

4.2	LIGHTING	(continued)	

4.2.2 Exterior Lighting

ACTUAL NO. OF FIXTURES	TYPE OF FIXTURE	NO. OF FIXTURES IN USE	WATTS/ FIXTURE	TOTAL WATTS	CONTROL TYPE*	<u>REMARKS</u>
3	UNATE	3	500	1500	M	

			·			
			-			
* M - Manua I	T - Time.	- D - Db-4	11	.		

CALCULATIONS

WATTS OF INTERIOR LIGHTING

Actual	at time	of	survey.	,
Total :	installe	i		

WATTS OF EXTERIOR LIGHTING

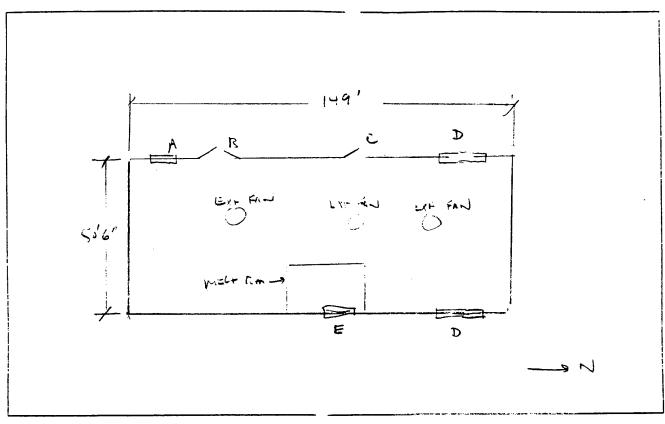
Actual	on	at	time	of	survey	 	 	
Total :	inci	1°	I od					

^{*} M = Manual T = Timer P = Photocell Enter schedule under Remarks.

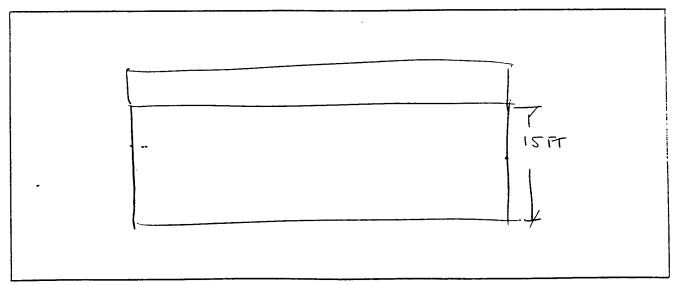
.1 ARCHI DCATION_ LIDING NUMB FORMATION S	BERSOURCE	7 (DWG	9 . NO.) /PERSC	IN)		SI FI	URVE	YED I	BY	C	Y al	ر آ	H VS	> \	2	<u></u>	₩ ₩	TI T	₽u	_ OA	TE_	<u>a</u>	<u> </u>	9
BUILDING	AGE:	M	10		YE	ARS																			
DUPLICATI	E BUIL	DING	NOS:																						
																					TOT	AL:			
SIMILAR I	BUILDI	NG NO	s:																						
																					тот	AL:			
BUILDING Indi				i) dura														NO.	. 0F	oco	CUPA	NTS.		5	
								•				1	1		-	1		i			1		1	7	
M				_			7						-	十	+	+	7	-			-	\perp	-	\dashv	
<u></u>	+-		\dashv	+	<u> </u>		-	<u> </u>			_	H	-	-	+	+	+	-		-	-	+	╁	\dashv	
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s				-	1					a	205	1/21	 	T											
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MISCELLA	ANEOUS	2 EQUII	4 PMENT	:	6		8		10		12		14		16		18	_		20					
													-		-										
																									
ADDITIO	NAL CO	MENT	s, cr	ITICAL	. LOA	DS:													•						
. 								····										_							
				·										_											
		· .				,					-														
CRAWL S	PACE:	VEN	ITILAT	LED LA]	ЕХН	IAUST	red (
ATTIC:			∜TILA	TED [7	CVL	(AUS	ren (\neg																

2.2 BUILDING FLOOR PLAN AND ELEVATION SKETCHES

FLOOR PLAN (Show dimensions and zones)



SOUTH ELEVATION (Show floor to ceiling elevations)



BUILDING FLOOR PLAN AND ELEVATION SKETCHES

	,					Γ	1	,	Т		1			,	7	1			
	REMARKS				ALUM. WUM	Longenc													4 - CASEMENT 5 - LOUVERED 6 - FIXED GLASS
INFILTRATION	CRACK																	WINDOW TYPES:	4.00
1	F1T LOOSE AUG																	MINDO	- DOUBLE HUNG - SINGLE HUNG - SLIDING
	N/S		7	>	>	7								İ					- SIN
	YES	/																į	3 2 3
TYPE	OF FRAME**	Σ	Σ	M	Σ	٤												!	Y
	TRPL	_														U-VALUE	•	BILITY	E - AWNING F - SOLAR SCREEN G - OVERHANG OTHER - SPECIFY
GLAZING*	DBL	>														- A	::	****VISIBILITY:	SOLA SOLA OVER IER -
GL/	TYPE	-															E N		AT 00
SIZE	-	ر+×۱۶	6' ×7'	1,C×18	,Z1×,Z1	1479											LEGEND	NG:	SOLAR FILM VEN BLIND STORM WINDOW DRAPES
	₹		8	(4)	- 1	9						<u> </u>				EA E	!	***SHADING:	OLAR F EN BLI FORM W
	x	_	_	~	-											TOTAL AREA		#	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
	MS															2			
NUMBER Exposure	S																		BREAK
EXP(SE			-														AME:	ERMAL
	ш					_									<u> </u>			**FRAME:	D AL/TH
	R						_												- WOOD - METAL - METAL/THERMAL
Ш	Ψ.		2	٦	ريح	ਦੁ								ļ					32-
	WINDOW TYPE DESIG.	A 3	الا الا	C Broth	اسلا ا	الم الم												*GLAZING:	ORDINARY 14" PLATE HEAT ABSORBING TINTED
	풀씸																		-264

BUILDING ENVELOPE CONSTRUCTION				LOCATI	ON FHC 10. 291
WALL	COLOR: D] M [] L []	ROOF (INCL. CLG.)	TYPE: F [COLOR: D	p
MATERIAL	THICKNESS (IN.)	R VALUE	MATERIAL	THICKNESS (IN.)	R VALUE
OUTSIDE FILM		0.75	OUTSIDE FILM		0.25
Morn SIDE	·	0.61	WETT DECK		0.61
3" BATT			6 BATT		19
GYP BARRO		0.45	GYP BARD		0.45
	·				
INSIDE FILM		0.68	INSIDE FILM		0.68
	TOTAL	12.99		TOTAL	0.68
U-FACTOR . O	AREA		U-FACTOR O.C	OS AREA	
FLOOR			DOOR		
MATERIAL	THICKNESS (IN.)	R VALUE	MATERIAL	THICKNESS (IN.)	R VALUE
OUTSIDE FILM			OUTSIDE FILM		
INSIDE FILM			INSIDE FILM		
	TOTAL			TOTAL	
J-PACTOR	AREA		0-FACTOR	AREA	
BUILDING SKIRTING M	MATERIAL				

LOCA	TION	FHL
BLDG.	110	291

3.1 HEATING EQUIPMENT

Heat Source:					
Furnace Steam Hot Water Boiler	Heat Sup Pump (Ex	plied Steam or Ho ternal Boiler Pla	ot WaterOther		
Capacity: 1,020,000 Btu/Hr or	Boiler HP or .	Lbs/F	Ir Steam or	GPM Hot	: Water
Manufacturer:					
Boiler/Furnace Control: Manual		`	d EMCS		7 Trin
Operating Temperature:	°F	Operating Press	ure:		
Fuel: Nat. Gas Only Nat. Gas/			: Forced		
			Induced		
Burner: Mfg	Model No		Metering Equipmen	t: Yes [No
Operating Schedule: Weekdays:		То	Hr/Day		
Weekdays & Holidays:	From	To	Hr/Day		
Operating Season:	From	Mon/Day	, to	Mc	on/Day
If supplied Steam or Hot Water: Steam Pressure Insulation: (1) Boiler		(2) Other (Sp	ecify)		
Poor Area		Poor	Area		FT2
None : ! Temp			Temp.		
Pump: No. of Pumps		V/PH/FLA	,	,	
mrg	Mode1		HP	RPM	
HW Pump Starter: HOA Rese	t P/B S/S Push	Button Inter	locked with Boiler?	Yes	No
FOR LARGE BOTLERS (over 6,000 MBTUH): Com	bustion Control Mfg		Mode1		
Condensate Pumps/Hot Water Rumps: Mfg		Model		HP	
Boiler/Furnace Condition:					
Boiler/Furnace Condition:					
Occupant Discomfort (Evaluate):					
			<u> </u>		

LOCATION	FHL
BLDG. NO.	291

3.2 COOLING EQUIPMENT

COMPRESSOR(S)/CHILLER SPLIT	COOLING TOWER
Manufacturer SYSTEM	Gravity
Model No.	Mech. Draft
Size	Manufacturer
Refrigerant	Model No.
Motor HP (if available)	Type of Fan
Motor Voltage 4651/24	Fan RPM
Motor FLA	Fan Motor HP
Measured Amps 10.6/9.6/7.4	Fan Motor Voltage
CONDENSER/CONDENSING UNIT	Fan Motor FLA
Water Cooled	Measured Amps
Air Cooled	CHILLED WATER PUMPS (If more than one, how many
Evaporative	operative during normal operation:)
Manufacturer	Manufacturer
Model No	Model No.
Size	Capacity Gals.
Type of Fan	Head, Ft.
Fan Motor HP	Motor HP
Fan Motor Voltage	Motor Voltage
Fan Motor FLA	Motor FLA
Measured Amps	Measured Amps
CONDENSER WATER PUMPS (If more than one, how many	operate on normal operation:)
Manufacturer	
Model No.	
Capacity, Gals.	_
Head, Ft.	
Motor HP	-
Motor Voltage	
Motor FLA	
Measured Amps	
REMARKS:	

3.3 AIR HANDLING EQUIPMENT

TARS				
Туре		EXITANT FAN	5- ZeIHP, 1e	11/2HP le ZHP
Unit/Zone	# F:+ N	#	#	
Manufacturer		PRINT SPRAT	BONTH - 517P E	XI-ANCT FAN
Model No.	·		16,400	
Туре				
RPM of Fan	. 503			
Motor HP				
Motor Volts	460/34			
Motor FLA				
Measured Amps	2.0/2.0/2.0			
CFM (from Plans)				
Notes				
COILS				
Indicate capacities	where found:			
	COOLING		HUMIDIFICATION	
	DX		ELEC	
	H ₂ 0		STEAM	
	OTHER			
	HEATING		OTHER	
			ALLY (MT.CO. OTHER	
	OTHER STEAM			
				
FILTERS				
Туре	METAL			
Condition	CLEAN			
Manometer Reading 1	<i>'</i>			
_				
<pre>1/ Record only if r</pre>	manometer is installed o	n the unit	•	

	MESTIC HOT WATER HEATING SYSTEM / EQUIPMENT	_		LOCATION JA
	Is System Supported from (check one):	Central Plan	 t	ystem per Building
			l Systems per Building	•
ь.	Domestic Hot Water Temperatures provided:			7
ε.	Average Pipe Sizes of All HW Piping and App	proximate Run of Eac	ch:	
			/	
١.	Is Piping System Insulated and Condition:			
	Is Hot Water Circulated?			
	1) Condition of circulator			
	2) Circulator capacity	4) Aq	uastat temperature se	ttina
0116	ESTIC HOT WATER HEATING EQUIPMENT (If more Location	than one location,	list each one)	
	Areas Served		_	
•	Manufacturer and Model			
	-	-/		
	Francy (Ail Cas Classes Co.) 5.	/ 111		
	Energy (Oil, Gas, Electric, Coal, Etc.)	Ju W		
•	Type Heaters & Quantities:	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \		
•	Type Heaters & Quantities: 1) Storage	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \		
•	Type Heaters & Quantities: 1) Storage 2) Instantaneous	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \		
•	Type Heaters & Quantities: 1) Storage 2) Instantaneous 3) Semi-Instantaneous	<u> </u>		
•	Type Heaters & Quantities: 1) Storage 2) Instantaneous 3) Semi-Instantaneous Heater Size and Storage Capacity	<u> </u>		
•	Type Heaters & Quantities: 1) Storage 2) Instantaneous 3) Semi-Instantaneous Heater Size and Storage Capacity Heating Capacity	/ J'		
	Type Heaters & Quantities: 1) Storage 2) Instantaneous 3) Semi-Instantaneous Heater Size and Storage Capacity Heating Capacity Type Controls (Air, Steam, Electric)	/ J'		
	Type Heaters & Quantities: 1) Storage 2) Instantaneous 3) Semi-Instantaneous Heater Size and Storage Capacity Heating Capacity Type Controls (Air, Steam, Electric) When Installed & Condition	/ V'		
	Type Heaters & Quantities: 1) Storage 2) Instantaneous 3) Semi-Instantaneous Heater Size and Storage Capacity Heating Capacity Type Controls (Air, Steam, Electric) When Installed & Condition Heater Temperature Setting			
	Type Heaters & Quantities: 1) Storage 2) Instantaneous 3) Semi-Instantaneous Heater Size and Storage Capacity Heating Capacity Type Controls (Air, Steam, Electric) When Installed & Condition Heater Temperature Setting Average Water Maintalned Temperature			
1	Type Heaters & Quantities: 1) Storage 2) Instantaneous 3) Semi-Instantaneous Heater Size and Storage Capacity Heating Capacity Type Controls (Air, Steam, Electric) When Installed & Condition Heater Temperature Setting Average Water Maintained Temperature Temperature Differential (j) - (k)			
	Type Heaters & Quantities: 1) Storage 2) Instantaneous 3) Semi-Instantaneous Heater Size and Storage Capacity Heating Capacity Type Controls (Air, Steam, Electric) When Installed & Condition Heater Temperature Setting Average Water Maintalned Temperature			

3.

CONTROL/MISCELLANEOU	IS PROCESS/SKETCHES		BLDG. NO. 29
CONTROLLERS:	ELECTRIC PNEUMATIC ELECTRONIC	OPERATION:	MANUAL TIME CLOCK CONTINUOUS EMCS DEMAND
MFG	MODEL_		LOCATION
CONDITION (GIVE DETA	ILED LIST OF PROBLEMS AS REQUIRED):	•	• • •
DAMPER	L POSITIONS ARE MANNAUY	CHANGED -	NO CONTROLS
			_

BLDG.

LOCATION

LIGHTING

]					T										
_		REMARKS	(LIGHTS/SWITCH)									-			
		WINDOW CODE													
	Ŧ	F-100K												1	
	FINISH	3477													
	ы	2		_										1	
	RS	0,0 K		_								 			
	COLORS	3477		_								 			
	2	0mm1mz	9	_										- 1	ı
	-	CETLING	E												
		MEASURED ILLUMI- CEILING NATION HEIGHT	(FC)	55			50								0
		WATTS PER SQ.FT.	(W/FT ²)											•	LEGEND
		LOOR Area Erve	(FT ²)												9 N I
		LIGHTING F ENERGY S	(KWH/YR) (FT ²)				·								LIGHTING
		DAYS/ YEAR ON		-		ļ									-
		HOURS/ DAY ON													
		TOTAL WATTS			`									,	
		NUMBER OF FIXTURES		2	502	0	0	٠:		92	_	7	7		
		LAMPS NUMBER PER OF FIXTURES WATTE,	FIXTURE		<i>'Yy</i> 12	125	2/2	200		2/2	100	005	160		
		LAMP TYPE AND WATTS	1)	17	17	7	1-		5	14	GANATTA Soov	T60	ING	
		FIXTURE	12	7	بمالعاتي	2	SUNG	Succ	()	in nc	gale	Swife	SARF	TOTAL BUILDING	
		TASK CODE	214	OFFICE	-		いまれん		なった。	Charmais	ind Sud	W	m	101	

LIGHTING 4.2.1

12 = Storage room 13 = Retail store (Px, commissary) Other (describe on audit form) E = Exterior

If there are windows. indicate:

Window Code:

Lamp Types:

Fixture Types:

Curtains * C Shades * S No Shading * NS

Incandescent * I Fluorescent * F Sodium Vapor * SV Mercury Vapor * MV Metal Halide * MH Other--Describe

Recessed # R Suspended # S Ventilated # V Pole Mounted # PM Other--Describe

Tasks Code:

677

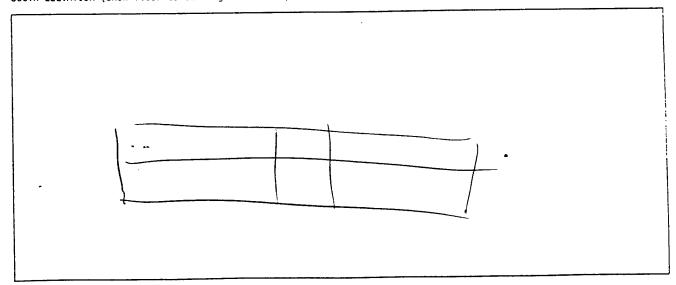
CATION	FAL	SURVEYED BY	B14 /	RJB	DATE \$ 00 792
LDING NUMBER_	295	FUNCTION/USE_	BA	2RACKS	<u> </u>
ORMATION SOURC	E (DWG. NO./PERSON)	Inspecto	n f	FIRST.	SERGEANT & AS-BUR
		Dw45			
ERAL BUILDING	DATA	•		*	
BUILDING AGE:	YEA	RS			
DUPLICATE BUI	ILDING NOS:	· · · · · · · · · · · · · · · · · · ·			
					TOTAL:
SIMILAR BUILS	DING NOS:				
					TOTAL:
BUILDING OCCU	JPANCY: CO	NTINUOUS (24 HRS/DA	Y) [NO. OF OCCUPANTS 66
	(number and) duration				NO. OF OCCUPANTS 60
				1 1 1 1	
M					
T					
W					
F					
s				 	
S					
<u> </u>	2 4 6	8 10 1	2 14	16 18	20 22 24
	S EQUIPMENT: 157 FLC		, Elac	Domesti	ul Harl
MISCELLANEOU	S EQUIPMENT: 137 FLO	Descory	Vigor -	ponus ne_	<u> </u>
	7.6.51	5 7 nuils	-100-	N = 7	mostic effe
	<u> zne.i</u>	y 22 0 2 9,00	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	organ -	,
	· 3rd Flr	- 2 wask	rs /Else	Drwore	Dionash w Aw
GF Lob!	on = Treps;	machine &	1 vonds	ny much	unie '
ADDITIONAL C	OMMENTS, CRITICAL LOADS	S:			
		 			<u> </u>
CRAWL SPACE:	VENTILATED -	EXHAUSTED S	9		
	VENTILATED T				

2.2 BUILDING FLOOR PLAN AND ELEVATION SKETCHES

FLOOR PLAN (Show dimensions and zones)

	5/413:111	
Nooms Lounge	Ballo some of Jointors of Rooms LHT III HHUD/CHED System.	

SOUTH ELEVATION (Show floor to ceiling elevations)



	REMARKS *** ***														CASEMENT LOUVERED FIXED GLASS
INFILTRATION	CRACK LENGTH														MINDOW TYPES: NIG 4 -
	FIT LOOSE AUG	AvG	8												MINDON - DOUBLE HUNG - SINGLE HUNG - SLIDING
7 v	W/S YES NO	Z	7												3 - 2
	OF FRAME**	Σ	٤												.1 & .
toca f	TRPL	J	١										U-VALUE	i	****VISIBILITY: E - AWNING F - SOLAR SCREEN G - OVERHANG OTHER - SPECIFY
GLAZING*	TYPE DBL				Risi	,] -	E N 0 :	E - AW F - SO G - OV
SIZE GLAZING* TYPE			6' x5-3"		Kentreping									LEGE	MOON TOOM
Age 1	M.		9		nea 17								AREA		***SHADING: SOLAR FILM VEN BLIND STORM WINDOW DRAPES
lan	M MS		4		4		-	w					TOTAL AREA		* IIII
LYS 1. NUMBER EXPOSURE	SE S		ã		Creud			7							al BREAK
relati	E S		13		9		_	20				•			**FRAME: 1 - WOOD 1 - METAL - METAL/THERMAL
4 0	N NE		54		52										M - W00 M - MET
Meforto building / Lang ha	ТУРЕ	42	4)		1								1		S: E: SORB111G
	WINDOW DESIG.		Metag Db1	autie	autoin	walka	Darble Der	Sing Dars							*GLAZING: 1 - ORDINARY 2 - 1," PLATE 3 - HEAT ABSORBING 4 - TINTEO

CONSTRUCTION MALL CAD COLOR: D M L RODF (INCL. CLG.) COLOR: D M L RODF (INCL. CLG.) COLOR: D M L MATERIAL THICKNESS (IN.) R VALUE OUTSIDE FILM O. 25 BALL CAD OUTSIDE FILM O. 25 BALL CAD OUTSIDE FILM O. 25 BALL CAD OUTSIDE FILM O. 25 BALL CAD OUTSIDE FILM O. 25 BALL CAD OUTSIDE FILM OUTSIDE FILM TOTAL L L AREA TOTAL OUTSIDE FILM TOTAL OUTSIDE FILM TOTAL OUTSIDE FILM TOTAL OUTSIDE FILM INSIDE FILM TOTAL OUTSIDE FILM INSIDE FILM INSIDE FILM TOTAL OUTSIDE FILM INSIDE FILM INSIDE FILM INSIDE FILM INSIDE FILM INSIDE FILM TOTAL U-FACTOR AREA INSIDE FILM INSIDE FILM INSIDE FILM TOTAL U-FACTOR AREA OUTSIDE FILM INSIDE FILM INSIDE FILM INSIDE FILM TOTAL U-FACTOR AREA	BUILDING ENVELOPE							N File 295
MATERIAL THICKNESS (IN.) R VALUE OUTSIDE FILM OUTSIDE FILM OUTSIDE FILM OUTSIDE FILM OUTSIDE FILM OUTSIDE FILM OUTSIDE FILM OUTSIDE FILM OUTSIDE FILM TOTAL U-FACTOR O.39 AREA C.US MATERIAL THICKNESS (IN.) R VALUE OUTSIDE FILM TOTAL U-FACTOR O.39 AREA OUTSIDE FILM TOTAL U-FACTOR OUTSIDE FILM OUTSIDE FILM INSIDE FILM		COLOR: D] M [] L [4	-	ROOF (INCL. CLG.)		=] []
ELUU 8" 1.72 BETUP ROOF 0.33 TOTAL 11.0 STOCK. 2433 TOTAL 10.19 INSIDE FILM TOTAL 10.19 U-FACTOR 0.07 AREA TOTAL 10.19 MATERIAL THICKNESS (IN.) R VALUE OUTSIDE FILM INSIDE FILM INSIDE FILM TOTAL 10.19 MATERIAL THICKNESS (IN.) R VALUE OUTSIDE FILM INSIDE FILM TOTAL INSIDE FILM TOTAL	MATERIAL			Ī	MATERIAL			
TOTAL TOTAL J-FACTOR JOSEPH MATERIAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL JOSEPH MATERIAL TOTAL	OUTSIDE FILM		0.25		OUTSIDE FILM			6.25
TOTAL J-FACTOR 0.38 AREA 2.45 INSIDE FILM TOTAL U-FACTOR 0.07 AREA TOTAL U-FACTOR 0.07 AREA OUTSIDE FILM INSIDE FILM	CHU	8"			By up Roof			
INSIDE FILM TOTAL J-FACTOR J-FACT					3" BATT			11.0
INSIDE FILM TOTAL TOTAL U-FACTOR O.38 AREA 2.65 U-FACTOR O.07 AREA U-FACTOR O.07 AREA OUTSIDE FILM INSIDE FILM	1.00			<u> </u>	5 Cak 513			
TOTAL J-FACTOR 0.38 AREA 2.65 U-FACTOR 0.07 AREA FLOOR SOG LANO & CARPET IN ROW DOOR WOOD — Moligiths MATERIAL THICKNESS (IN.) R VALUE OUTSIDE FILM INSIDE FILM INSIDE FILM TOTAL TOTAL TOTAL TOTAL TOTAL					1.A.	Odo		0.61
TOTAL J-FACTOR 0.38 AREA 2.65 U-FACTOR 0.07 AREA FLOOR SOG LANO & CARPET IN ROW DOOR WOOD — Moligiths MATERIAL THICKNESS (IN.) R VALUE OUTSIDE FILM INSIDE FILM INSIDE FILM TOTAL TOTAL TOTAL TOTAL TOTAL	INSIDE FILM		0.68	1	INSIDE FILM			
MATERIAL THICKNESS (IN.) R VALUE MATERIAL THICKNESS (IN.) R VALUE OUTSIDE FILM INSIDE FILM INSIDE FILM TOTAL TOTAL		TOTAL				T	OTAL	14.19
MATERIAL THICKNESS (IN.) R VALUE MATERIAL THICKNESS (IN.) R VALUE OUTSIDE FILM INSIDE FILM INSIDE FILM TOTAL TOTAL	J-FACTOR 7	Z Q AREA	2/15	<u> </u>	U-FACTOR	7	AREA [
INSIDE FILM TOTAL TOTAL	504,			o naous				R VALUE
TOTAL	OUTSIDE FILM		W	-	OUTSIDE FILM			
TOTAL				1				
TOTAL								
TOTAL								
TOTAL				_				
	INSIDE FILM			-	INSIDE FILM			
U-FACTOR AREA AREA		TOTAL					TOTAL	
	U-FACTOR	AREA		<u>-</u>	U-FACTOR		AREA	
			<u> </u>		<u> </u>			

'3.1 HEATING EQUIPMENT

Fuel: Nat. Gas Only Nat. Gas/ Draft: Forced	Heat Source: Furnace Steam Hot Water Heat Supplied Steam or Hot Water Other Other Description Other Other Description Other
Demand EMCS O2 Trim	Capacity: 2600 MBtu/Hr orBoiler HP orLbs/Hr Steam orGPM Hot Water
Operating Temperature:	Manufacturer: AUAX Model No.: W4-3250A
Fuel: Nat. Gas Only Nat. Gas/ Draft: Forced Induced Burner: Mfg.	Boiler/Furnace Control: Manual Time Clock Demand EMCS 02 Trim
Burner: Mfg.	Operating Temperature:
Burner: Mfg.	
Weekdays & Holidays: From	
Operating Season: From	Operating Schedule: Weekdays: From To Hr/Day
Flue Gas Temperature:	Weekdays & Holidays: From To Hr/Day
If supplied Steam Pressure NA PSI Hot Water Supply Temp. NA °F Hot Water Return Temp. NA °F Insulation: (1) Boiler (2) Other (Specify) Poor Area FT2 Poor Area FT2 None Temp. °F None Temp. °F Pump: No. of Pumps V/PH/FLA ND / 60 / 12 Mfg. Reset P/B S/S Push Button Interlocked with Boiler? Yes No FOR LARGE BOILERS (over 6,000 MBTUH): Combustion Control Mfg. Model Condensate Pumps/Hot Water Pumps: Mfg. Model Boiler/Furnace Condition: Describe	Operating Season: From Mon/Day, to Mon/Day
Insulation: (1) Boiler (2) Other (Specify) Poor Area FT2 Poor Area FT2 None Temp. °F None Temp. °F Pump: No. of Pumps V/PH/FLA 110 / 60 / 12 Mfg. PAG Model SO SPM HP RPM HW Pump Starter: HOA Reset P/B S/S Push Button Interlocked with Boiler? Yes No FOR LARGE BOILERS (over 6.000 MBTUH): Combustion Control Mfg. Model Condensate Pumps/Hot Water Pumps: Mfg. Model HP Boiler/Furnace Condition: Describe	Flue Gas Temperature: PSIG VA °F
Poor	If supplied Steam Steam Pressure NA PSI Hot Water Supply Temp. NA °F Hot Water Return Temp. NA °F or Hot Water Return Temp. NA °F
None Temp. of None Temp. of None Temp. of Formula No. of Pumps	Insulation: (1) Boiler (2) Other (Specify)
Pump: No. of Pumps	Poor Area FT ² Poor Area FT ²
Mfg	None Y Temp. °F None Temp. °F
Mfg	Pump: No. of Pumps 1 V/PH/FLA 110 / 60 / 12
FOR LARGE BOILERS (over 6,000 MBTUH): Combustion Control Mfg. Model Condensate Pumps/Hot Water Pumps: Mfg. Model HP Boiler/Furnace Condition:	
Condensate Pumps/Hot Water Pumps: MfgModelHP	HW Pump Starter: HOA Reset P/B S/S Push Button Interlocked with Boiler? Yes No
Boiler/Furnace Condition: Describe	FOR LARGE BOILERS (over 6,000 MBTUH): Combustion Control Mfg Model
Boiler/Furnace Condition: Describe	
Occupant Discomfort (Evaluate):	Describe
Occupant Discomfort (Evaluate):	
	Occupant Discomfort (Evaluate):

3.2 CCOLING EQUIPMENT

MPRESSOR(S)/CHILLER	1	COOLING TOWER	,
Manufacturer	Maquay	Gravity	
Model No.	AHROSOLO	Mech. Draft	
Size	54BN	Manufacturer	
Refrigerant	25-27	Model No.	
Motor HP (if availabl	le)	Type of Fan	——————————————————————————————————————
Motor Voltage	460/34	Fan RPM	
Motor FLA	1× 58 (EA)	Fan Motor HP	
Measured Amps	76	Fan Motor Voltage	
	WIT	Fan Motor FLA	
ONDENSER/CONDENSING U	<u>nii</u>	Measured Amps	
Water Cooled		- CHILLED WATER PHMPS (If more than one, how many
Air Cooled			mal operation:)
Evaporative		Manufacturer	PETERLESS
Manufacturer		Model No.	2x2/2x48
Model No.	,		NA
Size	<u> </u>	Capacity Gals.	NA
Type of Fan		Head, Ft.	11/2.
Fan Motor HP	460/31	Motor HP	NA
Fan Motor Voltage	7 0 45	Motor Voltage Motor FLA	NA
Fan Motor FLA	L <u>E 113</u>	Measured Amps	NA
Measured Amps		Lisazat sa Vinha	
CONDENSER WATER PUMPS	(If more than one, how ma	ny operate on normal operation:)
Manufacturer		/	
Model No.			
Capacity, Gals.		/_	
Head, Ft.	A		
Motor HP	Nr.		•
. Motor Voltage			
Motor FLA			
Measured Amps			
		A= // //	TO THE PARTY OF
REMARKS: NEEP	ES A DEADC	AT STUCK IN THE	COURCES

3.3 AIR HANDLING EQUIPMENT

FANS

Type	FCU			
Unit/Zone	#	#	<u>#</u>	
Manufacturer	Miguar			
Model No.	75c			
Туре	FAN COL			
RPM of Fan	_M}-			
Motor HP	<u> </u>			
Motor Volts	NA			
Motor FLA	- Au			
Measured Amps	NA			
CFM (from Plans)	- 10h			
Notes	NΑ			
15T	40 Zores	-		
COILS	40 25XeL			
Indicate capacities	s where found:			
	COOLING		HUMIDIFICATION (
	DX		ELEC	
Bathroom	H20 Jeach	for heating	-consignator	
301010 0 W	OTHER		Н ₂ 0	
			OTHER	
	HEATING			
		•	AUX/MISC OTHER	
	н ₂ 0			
	OTHER			
FILTERS -	••			
Туре				
Condition	ADEXINE	·		
Manometer Reading 1	1/			
1/ Record only if	manometer is installed o	n the unit.		

LOCATION FINE BLDG. NO. 240

DO	OMESTIC HOT WATER HEATING SYSTEM / EQUIPMENT		8LDG. NO. 245
а.	. Is System Supported from (check one):	Central Plant Several Small Systems p	One System per Building Der Building
b.	Domestic Hot Water Temperatures provided:		°F°F
с.	Average Pipe Sizes of All HW Piping and App	roximate Run of Each:	
	HEAT E	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	
d.	Is Piping System Insulated and Condition:		
e.	Is Hot Water Circulated?		
	1) Condition of circulator AUTZ		
	2) Circulator capacity 15049mel		provided?
DO!	MESTIC HOT WATER HEATING EQUIPMENT (If more t		
a.	Location	The state of the s)
Ь.	Areas Served		
c.	Manufacturer and Model		
d.	Energy (Oil, Gas, Electric, Coal, Etc.)		<i> </i>
e.	Type Heaters & Quantities:		
	1) Storage		
	2) Instantaneous		
	3) Semi-Instantaneous		/
f.	Heater Size and Storage Capacity		
	Heating Capacity		
h.	_		
i.	When Installed & Condition		
j.			
۲.			
١.	Temperature Differential (j) - (k)		
1.	Is Hot Water Supply Adequate:	/	
۱.	Insulation Thickness Insulation Material		
	/-		

i	CONTROL/MISCELLANEOUS PROCESS/SKETCHES		BLDG. 110. 295
	CONTROLLERS: ELECTRIC PNEUMATIC ELECTRONIC	OPERATION: MANUAL CONTINUOUS DEMAND	TIME CLOCK EMCS
	MFG MODEL	LOCATION	
	CONDITION (GIVE DETAILED LIST OF PROBLEMS AS REQUIRED	o):	
	Fall - min 1/100	on., larger offices / 10	ones have z en
	RA filler	Coil control of suit by T- fon a peed reostat-sui no true clock	broch stat bry Leh
	05A-from	no true clock	s ,
	OSA-from Corridor Blancin above ceeling		

lowers at stair veels (3 each floor) Screons are caked shot - little OSA available.

4.2.1 Interior Lighting

8LDG. 295	REMARKS (11GHTS/SWITCH)													12 = Storage room 13 = Retail store (PX, commissary) Other (describe on audit form) E = Exterior
ong bylues	FINISH C W F WINDOW I A C CODE I A C CODE I R C CODE		J 7 7			1								drafting drafting quarters booms hops
MR F34 2. Co.	COLORS I I A M I I R O O O O O O O O O O O O O O O O O		20 LL H			8,-0, 114								
Romasuellions (Styre F342 Lour by bus	WATTS MEASURED PER ILLUMI-CEILING SQ.FT. NATION HEIGHT		~ ×			7							LEGEND:	1 = Corridors 6 = 2 = Kitchens 7 = 3 = Dining 8 = 4 = Offices-general 9 = 5 = Offices-bookkeeping 10 = (ledgers only) 11 =
Rooms are " Rooms auch	LIGHTING FLOOR ENERGY SERVED												LIGHTING	Window Code: If there are windows, indicate: Curtains * C Shades * S No Shading * NS
7 7	AL HOURS/ DAYS/ TS ON ON													>> T
8 8 8 8 8 8 8 8 8 8	LAMPS NUMBER TOTAL PER OF FIXTURE FIXTURES WATTS AND WATTS/	1 - 1 -	م در		:	20	1	-	_	8	1.			Lamp Types: Incandescent = I Fluorescent = F Sodium Vapor = S Mercury Vapor = M Netal Halide = M OtherDescribe
# Rooms w Dry o dech w &	LAMP TYPE AND WATTS	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1				R - F34 2	R F34 2	5 F34 1	5 F34 3	5 134 2	5 834 4	TOTAL BUILDING LIGHTING ENERGY		Recessed = R Suspended = S Ventilated = V Pole Mounted = PM OtherDescribe
LICHTING EXIL S.		191	- 1 m	1604	4	3/-	30		- <u>></u>	Cookse	Lawnor y	TOTAL	Ly dons	TIGHTING 4.2.1

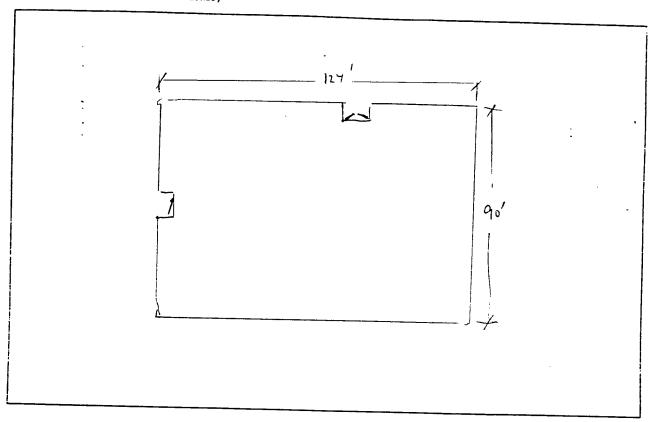
•		[2]										ļ					
· •		BLDG.	REMARKS	(LIGHTS/SWITCH)													= Storage room = Retail store (PX, commissary) her (describe on audit form) = Exterior
			WINDOW CODE														12 13 0tl
		H.	FINISH C E W F I A O I L O					-									Tasks Code: Offices-drafting Laundry Tollets Sleeping quarters Supply rooms Repair shops
		耳	11. 10.0												İ		Tasks Code Offices-dra Laundry Toilets Sleeping qu Supply roon Repair shop
		LOCATION	N A														Ta Of E Co.
		. 100			7, 4	<u>"</u>			,								ing 10
			- CETL	-	7-4"	7-4"	20	00	00								neral okkeep nly)
		* 8	MEASURED 11LUMI- NATION HEIGHT	E) /	v /v	12							-			N D :	= Corridors 6 = 0 = Kitchens 7 = L. = Dining 8 = T. = Offices-general 9 = S. = Offices-bookkeeping 10 = S. (ledgers only) 11 = R.
			WATTS PER SQ.FT.	(W/FT ²)												LEG	1 = Cor 3 = Kit 4 = Din 5 = Off (le
			FLOOR AREA SERVED													9 Z	. S.
ļ			LIGHTING ENERGY	(KWH/YR) (FT ²)												LIGHT	Window Code: there are windows indicate: Curtains = C Shades = S to Shading = NS
		, ,,	DAYS/ YEAR ON				:										Window Coc If there are v indicate Curtains Shades No Shading :
	7		HOURS/ DAY ON														
1	142	560	TOTAL WATTS	0	207	560	560	1/20	12 12 De 10 COL	210	210	140	180	180		081	rent = I ent = I ent = F ipor = SV ide = MH
13	F	100	LAMPS NUMBER PER OF FIXTURE FIXTURES AND		9 9	00	91	15/	\$12	٤	٤		٤	3.		6	Lamp Types: Incandescent = I Fluorescent = F Sodium Vapor = S Mercury Vapor = M Metal Halide = M OtherDescribe
14		2/2	LAMPS PER FIXTURE AND	WATTS/ FIXTURE	1 7/2	1/2	7/2/	4/2	7/2	1/22	52/2	4	09	03		100	,
•		7		WATTS	- 1	1	17	11	14	13	山	17	14	17	ERG ERG ERG ERG ERG ERG ERG ERG ERG ERG	7	de Access
		22	FIXTURE TYPE	t	7 9	2	2 2 L	W	لحُ	72	N	2	5	5	TOTAL BUILDING LIGHTING ENERGY	r	Fixture Types: Recessed = S Suspended = S Ventilated = V Pole Mounted = P OtherDescribe
		LIGHTING ~	TASK CODE	F	#11	眉	H	H	目	コ	H	Ħ	h	17	10T LiG	B	Survenue Othe
;		17 080			A STAN			(2007)s			Ard with	12.5			 کا		LIGHTING 4.2.1

ÇATION	RHL		SURVEYED BY_	RCL/E	BH/RJ	B	DATE ZOCT 9Z
LDING NUMBER	301	194	FUNCTION/USE	Test	& comp	ubr Di	visión
ORMATION SOURC	CE (DWG. NO./PE	RSON)		P FEIL	/ As-E	Built I	DATE 200792 V15/021
ERAL BUILDING	DATA						
BUILDING AGE:		YEARS					
DUPLICATE BUI	LDING NOS:	pone					
SIMILAR BUILD	DING NOS:	poxe	•				TOTAL:
							TOTAL:
	JPANCY: (number and) o					NO. 0F 0	CCUPANTS
T W T F S S O	2 4	6 8	10	12 14	16	18 20	22 24
	S EQUIPMENT:						
ADDITIONAL CO	OMMENTS, CRITI	CAL LOADS:					
CRAWL SPACE:	VENTILATED	EXHAU	STED				
ATTIC:	VENTILATED	EXHAU	STED				

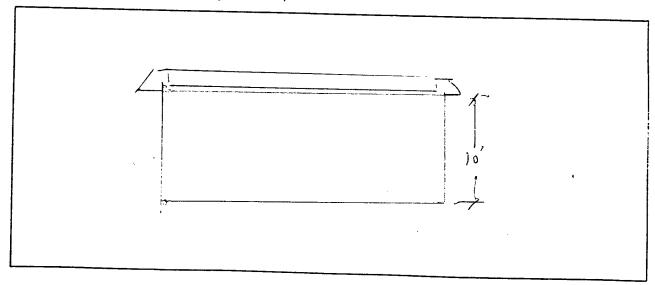
ARCHITECTURE -- MISCELLANEOUS

2.2 BUILDING FLOOR PLAN AND ELEVATION SKETCHES

FLOOR PLAN (Show dimensions and zones)



SOUTH ELEVATION (Show floor to ceiling elevations)



BUILDING FLOOR PLAN AND ELEVATION SKETCHES

LOCATION FAL

BLOG. NO. 301

	REMARKS *** ****	-												4 - CASEMENT 5 - LOUVEREO 6 - FIXED GLASS
INFILTRATION	CRACK	רבוגפוע											WINDOW TYPES:	4 N N
INI	FIT												MINDO	1 - DOUBLE HUNG 2 - SINGLE HUNG 3 - SLIDING
	N/S												ļ	1 - DOU 2 - SIA 3 - SLI
TVDE	OF FRAME**	Z				- 2	• .						. 1	z
*	TRPL				 						U-VALUE		****VISIBILITY:	E - AWNING F - SOLAR SCREEN G - OVERHANG OTHER - SPECIFY
GLAZING*	TYPE DBL	8									-ก	. O N	SIA***	E - AWN F - SOL G - OVE OTHER -
_		St. 2					-					LEGEND:		
3/12	L ×	15,784						_				اب	OING:	A - SOLAR FILM B - VEN BLIND C - STORM WINDOW D - DRAPES
	₹										AREA		***SHADING:	SOLAR VEN BI STORM DRAPE
	MS MS								·		TOTAL AREA		-	4800
R RE	1													BREAK
NUMBER EXPOSURE	SE													
	ш			 						 •			**FRAME:	- WOOD - METAL - METAL/THERMAL
	NE												*	- WOOD - METAL - METAL/
	z	7		 		_								3 Z F
	TYPE	Dess/												BING
D00R/	WINDOW DESIG.	Door											*GLAZING:	1 - ORDINARY 2 - 14" PLATE 3 - HEAT ABSORBING 4 - TINTED

CONSTRUCTION		- 		TYPE: F	_ P
WALL	COLOR: D] M [] L []	ROOF (INCL. CLG.)	COLOR: D	M
MATERIAL	THICKNESS (IN.)	R VALUE	MATERIAL	THICKNESS (IN.)	R VALUE
OUTSIDE FILM		0.25	OUTSIDE FILM		0.2
STUCCO		0.09	RET UP ROOF		0.3
B4 cmu		4.72	STEEL DELL		
64 BATT		19	ATTUSPRE		1.0
5/8447		0.32	6" BATT		19
•			5/8" 44P		0.3
INSIDE FILM		668	INSIDE FILM		0.6
	TOTAL	75	·	TOTAL	0.6 21.6
	4054		U-FACTOR	AREA	
U-FACTOR CO.	I		DOOR DOOR	16	
FLOOR S O G	1	R VALUE	DOOR	16	R VALUE
		R VALUE		THICKNESS (IN.)	R VALUE
FLOOR S O G	1	R VALUE	DOOR MATERIAL	16	R VALUE
FLOOR S O G	THICKNESS (IN.)	R VALUE	DOOR MATERIAL	16	R VALUE
FLOOR S O G	1	R VALUE	DOOR MATERIAL	THICKNESS (IN.)	R VALUE
FLOOR S O G	THICKNESS (IN.)	R VALUE	DOOR MATERIAL	THICKNESS (IN.)	R VALUE
FLOOR S O G	THICKNESS (IN.)	R VALUE	DOOR MATERIAL	THICKNESS (IN.)	R VALUE
FLOOR S O G	THICKNESS (IN.)	R VALUE	DOOR MATERIAL	THICKNESS (IN.)	R VALUE
FLOOR S O G MATERIAL OUTSIDE FILM	THICKNESS (IN.)	R VALUE	DOOR MATERIAL OUTSIDE FILM	THICKNESS (IN.)	R VALUE

	1
LOCATION	PHC
BLDG. NO.	301

'3.1 HEATING EQUIPMENT

Heat Source: Furnace Steam Hot Water Heat Sup Boiler Boiler Pump (Ex	plied Steam or Hot WaterOther ternal Boiler Plant)
Capacity: 750 MBtu/Hr orBoiler HP or	Lbs/Hr Steam orGPM Hot Water
Manufacturer: # ## MATE	Model No.: 4aaH33
_	Demand EMCS 0 ₂ Trim
Operating Temperature: 145° °F	Operating Pressure:PSI
Fuel: Nat. Gas Only Nat. Gas/	Draft: Forced
Burner: Mfg. Ecolomic Model No	
Operating Schedule: Weekdays: From	ToHr/Day
	ToHr/Day
Operating Season: From	Mon/Day, to Mon/Day
Flue Gas Temperature:°F Receiver Tank Cond	itions: PSIG °F
If supplied Steam Steam PressurePSI Hot Water Support or Hot Water: Insulation: (1) Boiler	ly Temp°F Hot Water Return Temp°F (2) Other (Specify)
Poor Area	
None Temp.	_°F None Temp°F
Pump: No. of Pumps	V/PH/FLA//
Mfg Model	HPRPM
HW Pump Starter: HOA Reset P/B S/S Pus	h Button Interlocked with Boiler? Yes No
FOR LARGE BOILERS (over 6,000 MBTUH): Combustion Control Mfg	Mode1
Condensate Pumps/Hot Water Pumps: Mfg.	Mode1 HP
Boiler/Furnace Condition:	
Describe	
Occupant Discomfort (Evaluate):	

3.2 COOLING EQUIPMENT

COMPRESSORIES / CHILLERIES OF BOXES OF MANY	
COMPRESSOR(S)/CHILLERISOR ROOKTOP MOIT Manufacturer — TRANE	COOLING TOWER
	Gravity
Model No. TWAC R624-A	Mech. Draft
Size Refrigerant R-22	Manufacturer
	Model No
Motor HP (if available)	Type of Fan
Motor Voltage 460/34	Fan RPM
Motor FLA 10.7	Fan Motor HP
Measured Amps	Fan Motor Voltage
CONDENSER/CONDENSING UNIT	Fan Motor FLA
Water Cooled	Measured Amps
Air Cooled	CHILLED WATER PUMPS (If more than one, how many
Evaporative	operative during normal operation:)
Manufacturer	Manufacturer
Model No.	Model No.
Size	Capacity Gals.
Type of Fan	Head, Ft.
Fan Motor HP Ze KHP	Motor HP
Fan Motor Voltage 4601/36	Motor Voltage
Fan Motor FLA 2.0	Motor FLA
Measured Amps	Measured Amps
CONDENSER WATER PUMPS (If more than one, how many op	erate on normal operation:)
Model No.	
Capacity, Gals.	
Head, Ft.	
Motor HP	
Motor Voltage	
Motor FLA	
Measured Amps	
REMARKS:	

3.3 AIR HANDLING EQUIPMENT

FANS	_			
Туре	8merop	CRAZ (TPOF4	LRAC
Unit/Zone	#	#	#	
Manufacturer	TRANE	DATA ALREN	LU.	CONTEMPO EMGR. L
Model No.		DAAD -2034	•	
Туре	RUD PETP	COMP UNT	,	
RPM of Fan				
Motor HP	-1.5	5		2e 3HP
Motor Volts	286	460		460
Motor FLA	5.7	6.6		20 4.0
Measured Amps				
CFM (from Plans)	_			
Notes	_			
COILS				
Indicate capacities	where found:			
	COOLING		HUMIDIFICATION	
	DX	/	ELEC	
	H ₂ 0			
	OTHER		_ H ₂ 0	
	HEATING		OTHER	
	GAS		AUX/MISC OTHER	
	H ₂ 0		_ AUX/1113C OTHER	
	ELEC X	PEREAS		
	OTHER 2	e 22.76W		
FILTERS		, ,		
Type	••			
Condition	*DEQUATE			
Manometer Reading 1	7			
ranome ser heading 1				
1/ Record only if	manometer is installed on	A hn		

HO DISCOUNTED SWITCH ON ACT 5

<u>D</u>	OMESTIC HOT WATER HEATING SYSTEM/EQUIPME	<u>ENT</u>	LOCATION THU BLDG. NO. 227
a		Central Plant	tem per Building
b.	. Domestic Hot Water Temperatures provided	1:	c
c.	Average Pipe Sizes of All HW Piping and	Approximate Run of Each:	
d.	The state of the s		
e.	Is Hot Water Circulated?		
	1) Condition of circulator	3) Is aquastat provided?	
	2) Circulator capacity	4) Aquastat temperature setti	ng
DO	MESTIC HOT WATER HEATING EQUIPMENT (If mon	re than one location, list each one)	
a.	Location	Meat.	
b.	Areas Served	Au	
c.	Manufacturer and Model	AM APPLIANCE	
đ.	Energy (Oil, Gas, Electric, Coal, Etc.)	Fire	
e.	Type Heaters & Quantities:		
	1) Storage	- Gan	
	2) Instantaneous		
	3) Semi-Instantaneous		_
f.	Heater Size and Storage Capacity	1500 L	_
g.	Heating Capacity		
h.	Type Controls (Air, Steam, Electric)		
i.	When Installed & Condition		
j.	Heater Temperature Setting		
k.	Average Water Maintained Temperature		
1.	Temperature Differential (j) - (k)		
m.	Is Hot Water Supply Adequate:		
n.	Insulation Thickness	Type	

3.4

o. Insulation Material

CONTROL/MISCELLAN	EOUS PROCESS/SKETCH	<u>es</u>			LOCATION 1/1
CONTROL SYSTEM: CONTROLLERS:	ELECTRIC ELECTRONIC	PNEUMATIC	OPERATION:	MANUAL CONTINUOUS DEMAND	TIME CLOCK EMCS
MFG	/	MODEL		LOCATION_	
CONDITION (GIVE DE	ETAILED LIST OF PRO	BLEMS AS REQUIRED):			····

Lighting

30

BLDG.

LOCATION

LIGHTING

O

4.2.1 Interior Lighting

(LIGHTS/SWITCH) REMARKS WINDOW CODE T 100K FINISH **34-1-1** OMFILERO m 10,0 % --COLORS *AJJ SZHTHEC ILLUMI- CEILING NATION HEIGHT (FT) 2 MEASURED Ø L (FC M (W/FT^2) WATTS PER SQ. FT. FLOOR AREA SERVED (FT²) LIGHTING ENERGY (KWH/YR) DAYS/ YEAR ON HOURS/ DAY ON TOTAL LAMPS NUMBER PER OF FIXTURES AND ANTTS/ % ί, 9 3 N AND 134 LAMP TYPE 134 3, **元** 13. 134 F34 € 9 6 TOTAL BUILDING LIGHTING ENERGY F1XTURE TYPE \angle K 2 \approx 7 \mathcal{N} 1- spenont VANT. 3000 EXTURE 3 MECH I EXTS کے TASK

Recessed = R
Suspended = S
Ventilated = V
Pole Mounted = PM LIGHTING

Other--Describe

1 = Corridors 6 = Offices-drafting 12 = Storage room
2 = Kitchens 7 = Laundry 13 = Retail store 3 = Dining 8 = Toilets (Px, commissary) 4 = Offices-general 9 = Sleeping quarters Other (describe on 5 = Offices-bookkeeping 10 = Supply rooms audit form) (ledgers only) 11 = Repair shops E = Exterior

Tasks Code:

_

LEGEN

LIGHTING

If there are windows, indicate:

Window Code:

Lamp Types:

Fixture Types:

Curtains = C Shades = S No Shading = NS

Incandescent = I Fluorescent = F Sodium Vapor = SV Mercury Vapor = MV Metal Halide = MH Other--Describe

4.2.1

8

BL.DG.

0

LIGHTING

421	Interior	Liahtina
4.4.1	Tilferio	Lighting

ŀ	MEASURED C C C C C C C C C C C C C C C C C C C	·o												
	WATTS PER SQ.FT. [W/FT ²]	\$2										50		LEGEN
	LIGHTING FLOOR WATTS ENERGY SERVED SQ.FT. (KWH/YR) (FT ²) (W/FT ²)													1 N G
	LIGHTIN ENERGY (KWH/YR													LIGHTI
	DAYS/ YEAR ON					,								
	HOURS/ DAY ON												'	
	TOTAL WATTS		``											
	LAMPS NUMBER PER OF FIXTURE FIXTURES AND MATTS/	~	_	2	9	.9	4	3	9	W	0	۶۵		
	LAMPS PER FIXTURE AND MATTS/ FIXTIBE	1	9	7	4	2	3	7	2/	1	7	3/		
	LAMP TYPE AND WATTS	£34	¥34	1,52,	F34	k34	1534	15.7	F3.4	K34	75.	1524	DING	
	FIXTURE	8	2	4	2	2	\ \	2	2	\ <u>\</u>	2	~	TOTAL BUILDING	
	TASK CODE	_		#	7 2			Cano.		2	0.2687.		101	
		`	`	YEN	•	,	`	,) 2007	- " - S	٧,			

Incandescent = I Fluorescent = F Sodium Vapor = SV Mercury Vapor = MV Metal Halide = MH Other--Describe Lamp Types:

If there are windows, indicate: Curtains = C Shades = S No Shading = NS

1 = Corridors 6 = Offices-drafting
2 = Kitchens 7 = Laundry
3 = Dining 8 = Toilets
4 = Offices-general 9 = Sleeping quarters
5 = Offices-bookkeeping 10 = Supply rooms
(ledgers only) 11 = Repair shops

Tasks Code:

Window Code:

12 = Storage room 13 = Retail store (Px, commissary) Other (describe on audit form) E = Exterior

Recessed = R Suspended = S Ventilated = V Pole Mounted = PM Other--Describe LIGHTING 4.2.1

Fixture Types:

LOCAT	ION	Fire
BLDG.	NO	301

4.2 LIGHTIN	<u>G (</u> continued)					
4.2.2 Exterio	r Lighting						
ACTUAL NO. OF FIXTURES	TYPE OF FIXTURE	NO. OF FIXTURES IN USE	WATTS/ FIXTURE	TOTAL WATTS	CONTROL TYPE*	<u>REMARKS</u>	
				·	-		
		· .				·	
•:			· · · · · · · · · · · · · · · · · · ·				
	,	•					<u></u>
	· ·						
* M = Manual	T = Timer	P = Photo	ocell	Enter so	chedule und	der Remarks.	
CALCULATIONS					<i>_</i>		
WATTS OF	INTERIOR L	IGHTING				•	
Act	ual at time	of survey_	_/	<u></u>	<u>.</u>	•	. •
Tot	al installe	а <u>. ћ</u>	<u>k</u>				
WATTS OF	EXTERIOR L	IGHTING	•			·	
Act	tual on at t	ime of surv	ey				

Total installed_

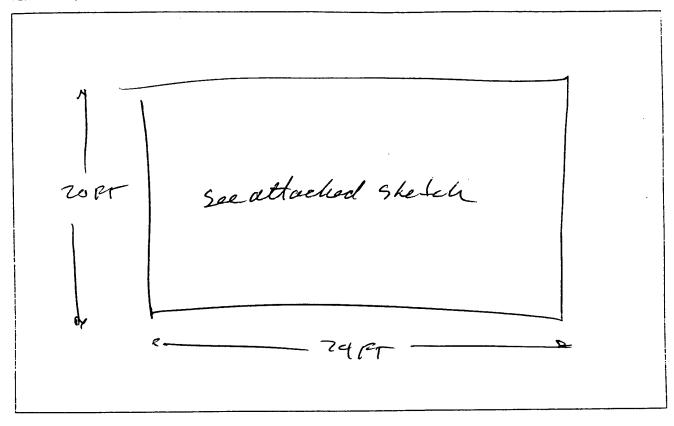
LOCATI	ON	Exc
BLDG.		301

	escribe: Layuthle		
			· ·
4.3.2 R	ECEPTACLES IN USE 80	PERCENT	
4.3.3 S	MALL APPLIANCES IN USE (ENTER CO	DUNT)	
	Water Cooler		
	Vending Machine		
	Space Heater	_ 	
	Coffee Pot	 .	
	TV		
	XEROX		
	Other:		
	OFFICE RAUIP		
		•	

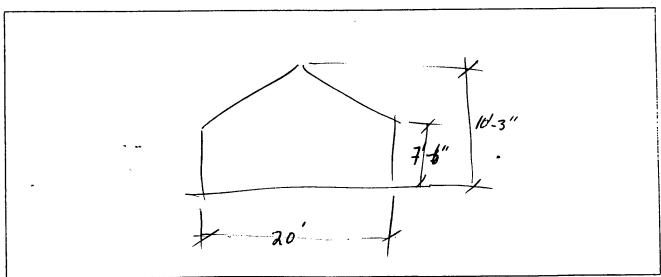
1 ARCHI CATION_								URVEY	(FD R)	Y	R	. 1. 7	s /	r s /	Н					DA	TE '	20	ct.	? 7
		_	_																					
LDING NUMB																								
ORMATION S	OURCE	(DWG	. NO	./PE	RSON)	Ī	'n	-	ect.	70	2													
ERAL BUILE									0				,											
BUILDING	AGE:					YEARS	0	LD	#2	rL	·n	- 6	101		~									
DUPLICATE	BUIL	DING	NOS:																					
											•								-	TOT/	NL:			
SIMILAR E	BUILDI	NG NO	os: _																					
																				TOT	AL:			
BUILDING	OCCUP	ANCY:	:			CONT	INUO	US (2	4 HRS	J/DA	(Y)					,	NC	. OF	000	UPA	NTS_			
BUILDING Indi	cate (numbe	er an	ıd) d	durati	on 01	f occ	upant	s eac	:h d	lay		1-1	Sh	15	100	1 4	<u>.</u>	k.	_				
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0	!	2	<u> </u>	4	6	!	8		10		1 12	<u> </u>	4	1	6		18	1	20	<u>:</u>	22		24	
MISCELLA	אובחווכ	FOUT	DMFN	т.																				
MISCELLA	11111003	LQUI	. [] []	'·																				
								<u> </u>						·										
														-										
ADDITIO	NAL CO	MMENT	 TS. C	RITI	CAL L	OADS:	:																	
																					 			
•							/																	
					-																			
CRAWL S	PACE:	VE	NT I L	ATED		Ε	XHAUS	TED [5	or or)												
ATTIC:			NTIL			-	XHAUS	ſ	\neg	И	w	L												

2.2 BUILDING FLOOR PLAN AND ELEVATION SKETCHES

FLOOR PLAN (Show dimensions and zones)



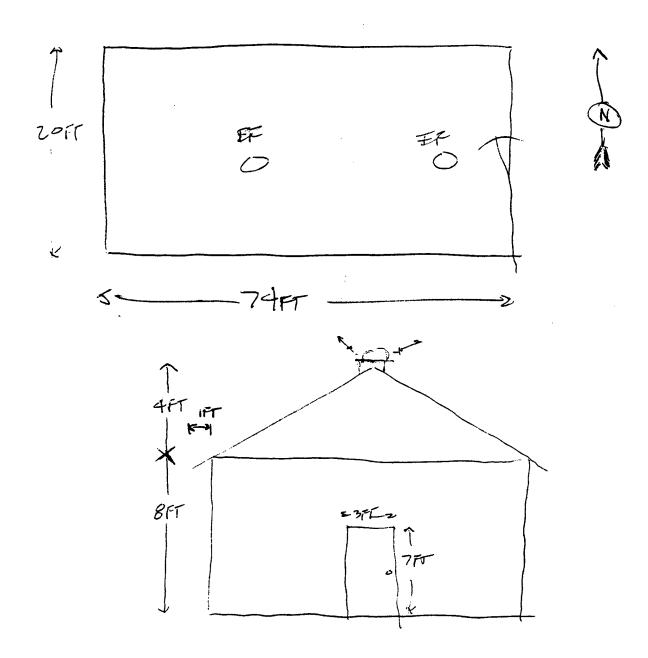
SOUTH ELEVATION (Show floor to ceiling elevations)



BUILDING FLOOR PLAN AND ELEVATION SKETCHES

COMMENTS STEEL SHED

FLD9 325



ARCI	HITECT	TURAL I	VI NDOW:	S & DO	ORS .							DCATI	_	F	75
	REMARKS *** ***	poorhaline													- CASEMENT - LOUVERED - FIXED GLASS
INFILTRATION	CRACK LENGTH													WINDOW TYPES:	480 111
INF	FIT LOOSE AUG													MINDO	- DOUBLE HUNG - SINGLE HUNG - SLIDING
	W/S YES NO														1 - 000 2 - 518 3 - 518
TYPE	OF FRAME**	Hebal	2												L EN
ING*	DBL TRPL	1										U-VALUE		****VISIBILITY:	E - AWNING F - SOLAR SCREEN G - OVERHANG OTHER - SPECIFY
GLAZING*	TYPE	*	-										LEGEND:	* *	6 - 6 0T11E1
SIZE	L×H	84×36	30×30										L E G	ING:	FILM IND WINDOW
	M											TOTAL AREA	•	***SHADING:	- SOLAR FILM - VEN BLIND - STORM WINDOW - DRAPES
	MS											TOTA		1	⊀ ⊕∪Ω
SER SURE	S														SREAK
NUMBER EXPOSURE	SE													<u>.:.</u>	MAL B
	ш	_	-						-		•			**FRAME:	/THER
	NE NE] 		*	- WOOD - METAL/THERMAL BREAK - METAL/THERMAL
	z				-										35H
	TYPE		П					_							BING
	WINDOW DESIG.	00rs	& mobile											*GLAZING:	- ORDINARY - 1," PLATE 3 - HEAT ABSORBING 1 - TINTED

.2.3

CONSTRUCTION				1	
V ALL	COLOR: D		ROOF (INCL. CLG.)	TYPE: F	P M
MATERIAL	THICKNESS (IN.)	R VALUE	MATERIAL	THICKNESS (IN.)	R VALUE
OUTSIDE FILM			OUTSIDE FILM		
Corrhobel		0	Corr Ketal		0
INSIDE FILM			INSIDE FILM		
	TOTAL		ļ	TOTAL	
					L
J-FACTOR	AREA		U-FACTOR	AREA	
J-FACTOR SOC	AREA		U-FACTOR DOOR WOOD	AREA	
	AREA	R VALUE		THICKNESS (IN.)	
FLOOR 300	AREA	R VALUE	DOOR Wood		
FLOOR 300	AREA	R VALUE	DOOR WOOD		
FLOOR 300	AREA	R VALUE	DOOR WOOD MATERIAL OUTSIDE FILM	THICKNESS (IN.)	
FLOOR 300	AREA THICKNESS (IN.)	R VALUE	DOOR WOOD MATERIAL OUTSIDE FILM	THICKNESS (IN.)	
FLOOR 300	AREA THICKNESS (IN.)	R VALUE	DOOR WOOD MATERIAL OUTSIDE FILM	THICKNESS (IN.)	
FLOOR 300	AREA THICKNESS (IN.)	R VALUE	MATERIAL OUTSIDE FILM WOOL	THICKNESS (IN.)	
FLOOR 300	AREA THICKNESS (IN.)	R VALUE	DOOR WOOD MATERIAL OUTSIDE FILM	THICKNESS (IN.)	R VALUE
FLOOR 300 MATERIAL OUTSIDE FILM	AREA THICKNESS (IN.)	R VALUE	MATERIAL OUTSIDE FILM WOOL	THICKNESS (IN.)	R VALUE

LOCA	TION	Fir	
BLDG.	NO.	37	_

HEATING EQUIPMENT				BLDG. NO. 32
	no heating	equin		•
Heat Source:	,			
	Steam Hot Water	Heat Sur	oplied Steam or Hot Water kternal Boiler Plant)	Other
	Boiler —— Boiler	Pump — (E)	kternal Boiler Plant)	
Camanitus	DA. /U	5 135		
Capacity:	Btu/Hr or	Boiler HP or	Lbs/Hr Steam	orGPM Ho
Manufacturore				
nandraceurer.	·		Model No.:	
Roiler/Furnace Con-	trol: Manual	Time Cheat	<u> </u>	
borrer/rarnace con-	croi rianuai	Time Clock	Demand	EMCS
Operating Temperatu	uro.	°c	Operating Pressure:	
operating remperati		•	operating Pressure:	
Fuel: Nat. Gas	Only Nat. Gas/		Draft: /	Forced-
			,	rorceu
! Other (Sp	pecify)		- / _	Induced
Dumana usa MC				
burner: Mrg		Model No	Meteri	ng Equipment: Yes
Opporating Schodule	: Weekdays:	C	_ /	
operacing schedule.	•	From		Hr/Day
	Weekdays & Holidays:	From	^{To} /	Hr/Day
	Operating Season:	From	/ Mon/Day, to	ŀ
Flue Gas Temperatur	re:°F	Receiver Tank Cond	litions:	PSIG
		_	Y Temp°F Hot	
		/		
Insulation: (1) Bo	oiler	/	(2) Other (Specify)_	
Insulation: (1) Bo				
Insulation: (1) Bo	oor Area	/	FT ² Poor Area_	
Insulation: (1) Bo		/	FT ² Poor Area_	
Insulation: (1) Bo	oor Area		FT ² Poor Area_ _°F None Temp.	
Insulation: (1) Bo	oor Areaone I Temp		FT ² Poor Area_ **F None Temp. V/PH/FLA_	//
Insulation: (1) Bo	oor Areaone Temp	Model 1	FT ² Poor Area_ or None Temp. V/PH/FLA	//
Insulation: (1) Bo	oor Areaone Temp	Model 1	FT ² Poor Area_ **F None Temp. V/PH/FLA_	//
Insulation: (1) Bo	or Area one Temp s rter: HOA Res	Modelet P/BS/S Pus	FT ² Poor Area_ °F None Temp. V/PH/FLA th Button Interlocked was	//
Insulation: (1) Bo	or Area one Temp s rter: HOA Res	Modelet P/BS/S Pus	FT ² Poor Area_ or None Temp. V/PH/FLA	//
Insulation: (1) Bo	or Area one I Temp. s rter: HOA Res	Model et P/BS/S Pus mbustion Control Mfg	FT ² Poor Area_ or None Temp. V/PH/FLA	/ / / HP RPM with Boiler? Yes Model
Insulation: (1) Bo	or Area one Temp s rter: HOA Res	Model et P/BS/S Pus mbustion Control Mfg	FT ² Poor Area_ °F None Temp. V/PH/FLA th Button Interlocked was	/ / / HP RPM with Boiler? Yes Model
Insulation: (1) Bo	Area	Model et P/BS/S Pus mbustion Control Mfg	FT ² Poor Area_ or None Temp. V/PH/FLA	/ / / HP RPM with Boiler? Yes Model
Insulation: (1) Bo	Area	Model et P/B S/S Pus mbustion Control Mfg	FT ² Poor Area_ or None Temp. V/PH/FLA	/ / / HP RPM with Boiler? Yes Model HP
Insulation: (1) Bo	Area	Model et P/B S/S Pus mbustion Control Mfg	FT ² Poor Area_ or None Temp. V/PH/FLA_ th Button Interlocked to the second	/ / / HP RPM with Boiler? Yes Model HP
Insulation: (1) Bo	Area	Model et P/B S/S Pus mbustion Control Mfg	FT ² Poor Area_ or None Temp. V/PH/FLA_ th Button Interlocked to the second	/ / / HP RPM with Boiler? Yes Model HP HP
Insulation: (1) Bo	Area one i Temp. s rter: HOA Res (over 6,000 MBTUH): Con ot Water Pumps: Mfg.	Model et P/B	FT ² Poor Area°F None TempV/PH/FLA Sh Button Interlocked was a second secon	/ / / HP RPM with Boiler? Yes Model HP HP
Insulation: (1) Bo	Area one i Temp. s rter: HOA Res (over 6,000 MBTUH): Con ot Water Pumps: Mfg.	Model et P/B	FT ² Poor Area°F None TempV/PH/FLA Sh Button Interlocked was a second control of the control of	/ / / HP RPM with Boiler? Yes Model HP HP
Insulation: (1) Bo	Area one i Temp. s rter: HOA Res (over 6,000 MBTUH): Con ot Water Pumps: Mfg.	Model et P/B	FT ² Poor Area°F None TempV/PH/FLA Sh Button Interlocked was a second secon	/ / / HP RPM with Boiler? Yes Model HP HP

3.2 COOLING EQUIPMENT

OMPRESSOR(S)/CHILLER	COOLING TOMER
Manufacturer	/ Gravity
Model No.	Mech. Draft
Size	Manufacturer
Refrigerant	
Motor HP (if available)	Type of Fan
Motor Voltage	Fan RPM
Motor FLA	Fan Motor HP
Measured Amps	Fan Motor Voltage
Pleasured Amps	Fan Motor FLA
CONDENSER/CONDENSING UNIT	Measured Amps
Water Cooled	
Air Cooled	CHILLED WATER PUMPS (If more than one, how many
Evaporative	operative during normal operation:)
Manufacturer	Manufacturer
Model No	Model No
Size	Capacity Gals.
Type of Fan	Head, Ft
Fan Motor HP	Motor HP
Fan Motor Voltage	Motor Voltage
Fan Motor FLA /	Motor FLA
Measured Amps	Measured Amps
CONDENSER WATER PUMPS (If more than one,	how many operate on normal operation:)
Manufacturer /	· · · · · · · · · · · · · · · · · · ·
Model No	
Capacity, Gals.	
Head, Ft	/
Motor HP	•
. Motor Voltage	
Motor FLA	
Measured Amps	
	he 1212 (117 high
REMARKS: Evaporative Co.	t connected.
water no	+ Converse

3.3 AIR HANDLING EQUIPMENT

FANS					
Type	Ehoust - Roof	-Vontillator	3		
Unit/Zone	# #			ź.	
Manufacturer	A				
Model No.	<i>\mu_\mu_\mu_\mu_\mu_\mu_\mu_\mu_\mu_\mu_</i>	7			
Type	- Prone	lla			
RPM of Fan					
Motor HP	1/12	1/17			
Motor Volts	120	120			
Motor FLA					
Measured Amps					
CFM (from Plans)					
Notes					
OILS					
OILS Indicate capacitie	s where found:				
	s where found:		HUMIDIFICATION		
			HUMIDIFICATION ELEC		
	COOLYNG		_ ELEC		
	DX		ELECSTEAM		·
	DX H ₂ 0 OTHER		ELECSTEAM		
	COOLING DX H ₂ O OTHER HEATING		ELECSTEAM		
	COOLING DX H20 OTHER HEATING GAS		ELECSTEAM		
	COOLING DX H ₂ 0 OTHER HEATING GAS H ₂ 0		ELEC STEAM H ₂ O OTHER AUX/MISC OTHER		
	COOLING DX H ₂ 0 OTHER HEATING GAS H ₂ 0 ELEC		ELEC STEAM H20 OTHER AUX/MISC OTHER		
	COOLING DX H ₂ 0 OTHER HEATING GAS H ₂ 0		ELEC STEAM H20 OTHER AUX/MISC OTHER		
Indicate capacitie	COOLING DX H ₂ 0 OTHER HEATING GAS H ₂ 0 ELEC		ELEC STEAM H20 OTHER AUX/MISC OTHER		
Indicate capacític	COOLING DX H ₂ 0 OTHER HEATING GAS H ₂ 0 ELEC		ELEC STEAM H20 OTHER AUX/MISC OTHER		
Indicate capacitie	COOLING DX H ₂ 0 OTHER HEATING GAS H ₂ 0 ELEC		ELEC STEAM H20 OTHER AUX/MISC OTHER		
Indicate capacitie	COOLING DX H ₂ 0 OTHER HEATING GAS H ₂ 0 ELEC OTHER		ELEC STEAM H20 OTHER AUX/MISC OTHER		

DO	OMESTIC HOT WATER HEATING SYSTEM / EQUIPMENT	voue	LOCATION FAT BLOG. NO. 325
a.	Is System Supported from (check one):	Central Plant	One System per Building
	,	Several Small Systems per	
			56174111g
b.	Domestic Hot Water Temperatures provided:		°F°F
c.	Average Pipe Sizes of All HW Piping and Appro	oximate Run of Each:	
		-	
d.	Is Piping System Insulated and Condition:		
e.	Is Hot Water Circulated?		
	1) Condition of circulator	3) Is aquastat pro	ovided?
	2) Circulator capacity	4) Aquastat temper	rature setting
DO:	\		
<u> 001</u>	MESTIC HOT WATER HEATING EQUIPMENT (If mare the	an one location, list each one	•)
a.	Location		
b.	Areas Served		
c.	Manufacturer and Model	\	
d.	Energy (Oil, Gas, Electric, Coal, Etc.)	\	
e.	Type Heaters & Quantities:		
	1) Storage		
	2) Instantaneous		
	3) Semi-Instantaneous		
f.	Heater Size and Storage Capacity		
g.	Heating Capacity		
h.	Type Controls (Air, Steam, Electric)		
i.	When Installed & Condition		
j.	Heater Temperature Setting		
k.	Average Water Maintained Temperature		
1.	Temperature Differential (j) - (k)		
m.	Is Hot Water Supply Adequate:		
n. O.	Insulation Thickness Insulation Material	Type	\

3.4

DOMESTIC HOT WATER SYSTEM/EQUIPMENT

LOCATION	FIL
BLDG. NO.	325

3.5	CONTROL/MISCELLANEOUS PROCESS/SKETCH	ES None			BLDG. 110. 325
	CONTROL SYSTEM: CONTROLLERS: ELECTRIC ELECTRONIC	PNEUMATIC	OPERATION:	MANUAL CONTINUOUS	TIME CLOCK
				DEMAND	
	MFG	MODEL		LOCATION	
	CONDITION (GIVE DETAILED LIST OF PRO	BLEMS AS REQUIRED):			

1								1	· 						
BLD6.	REMARKS	(LIGHTS/SWITCH)										-			
	WINDOW														
12/2	¥ ~ ~ ~ 00														
_	FINISH E H H I	-												l	
														İ	
٤	8													-	
LOCATION	COLORS													ł	
7007		Z U					_								
-	CEIL ING HEIGHT	(FT)													
	MEASURED ILLUMI- CEILING NATION HEIGHT	(FC)													GEND:
	WATTS PER SQ.FT.														L E G E
	FLOOR AREA SERVED	(FT ²) (N G
	LIGHTING FLOOR ENERGY SERVED	(KWH/YR) (FT ²) (W/FT ²)										,			LIGHTING
	DAYS/ YEAR ON														-1
	HOURS/ DAY ON														
	TOTAL														
; ;	NUMBER OF FIXTURES		5	R	6	W	:						•		
	LAMPS NUMBER PER OF FIXTURES AND	WATTS/ FIXTURE	A	<u>re/</u>	8	754									
	LAMP TYPE AND	NA I	F 34	7524 7521	734	ユゲナ	·							ING ERGY	
	FIXTURE	(b	P	م	<u>a</u>								TOTAL BUILDING LIGHTING ENERGY	
LIGHTING	TASK		12	12.	12	21								10T	
•										·			·		-

Recessed = R Suspended = S Ventilated = V Pole Mounted = PM Other--Describe

Tasks Code:

If there are windows,

indicate:

Window Code:

Lamp Types:

Fixture Types:

Curtains = C Shades = S No Shading = NS

Incandescent = I Fluorescent = F Sodium Vapor = SV Mercury Vapor = MV Metal Halide = MH Other--Describe

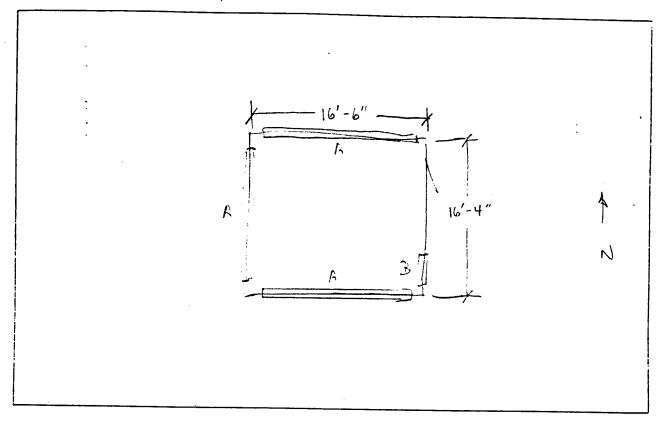
> LIGHTING 4.2.1

OCATION	FHL			_ SURVE	YED BY	Y	-	Ril	+/1	51V	3				D.	ATE	10/15	192
ILDING NUMBER	220			_ FUNCT	TION/US	SE		٨٨	772	-1د	70	ساد	R					
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ERAL BUILDING	DATA																	
BUILDING AGE:									:									
DUPLICATE BUI	LDING NOS: _		No.	<u> </u>	•				<u>.</u>		-						····	-
SIMILAR RUTIN	TNG NOS.								•					-	TOTA	AL:		
SIMILAR BUILD															TOTA	NL:		
BUILDING OCCU													-				v	
Indicate	(number and)	duratio	n of o	ccupant	s each	day										ار این	ANG	
М																<u> </u>	\neg	
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MISCELLANEOUS	EQUIPMENT: _										-		20			2	24	
ADDITIONAL COM	MENTS, CRITI	CAL LOA	DS:															
·																		
CRAWL SPACE:	VENTILATED		EXHAUS	STED _] ?	. 7	F,											
ATTIC:	VENTILATED		EXHAUS	TED	ן כ	>												

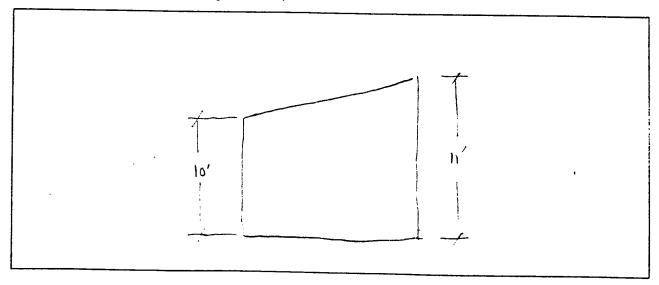
2.1 ARCHITECTURE - MISCELLANEOUS

2.2 BUILDING FLOOR PLAN AND ELEVATION SKETCHES

FLOOR PLAN (Show dimensions and zones)



SOUTH ELEVATION (Show floor to ceiling elevations)



BUILDING FLOOR PLAN AND ELEVATION SKETCHES

	REMARKS	***											4 - CASEMENT 5 - LOUVERED 6 - FIXED GLASS
INFILTRATION	CRACK	LENGTH										WINDOW TYPES:	4 - CAS 5 - LOU 6 - FIX
INF	FIT	LOUSE AUG								:		WINDOW	1 - DOUBLE HUNG 2 - SINGLE HUNG 3 - SLIDING
	S/M	VES NO											1 - DOUI 2 - SINC 3 - SLIC
TVDE	OF FRAME**	3	3									1	2
	TRPL									ILUE		****VISIBILITY:	E - AWNING F - SOLAR SCREEN G - OVERHANG OTHER - SPECIFY
GLAZING*	98t									U-VALUE	1	*VISIB	SOLAR OVERH ER - S
ಶ	TYPE	_	_								LEGEND		mr 20
SIZE	L×H	3'415	3, 4.4,								1 E G	NG:	A - SOLAR FILM B - VEN BLIND C - STORM WINDOW D - DRAPES
	₹									IREA [***SHADING:	OLAR F EN BLI TORM W RAPES
	3	-								TOTAL AREA		1	8 N N N N N N N N N N N N N N N N N N N
پيا ہ	AS.									-		ı	
NUMBER Exposure	35												L BREAK
	ш						 		 -			**FRAME:	HERMA
	发									٠		*	000 ETAL ETAL/1
	z	_					 						W - WOOD M - METAL T - METAL/THERMAL
	TYPE					 						İ	
	WINDOW DESIG.	U	દ્ધ									*GLAZING:	1 - ORDINARY 2 - 1," PLATE 3 - HEAT ABSORBING 4 - TINTED

BUILDING ENVELOPE					ION FH
CONSTRUCTION	•			BLDG.	NO. 220
WALL ALL	COLOR: D	M L	ROOF (INCL. CLG.)	TYPE: F	=
MATERIAL	THICKNESS (IN.)	R VALUE	MATERIAL	THICKNESS (IN.)	R VALUE
OUTSIDE FILM			OUTSIDE FILM		
ALuminum Sic), n by		ALUM SIDING		
ALUMINUM SIG	· MCAT.JM		3" KORM IN		
ALMM. SIDING			ALUM SIDING	<u>l</u>	
INSIDE FILM			INSIDE FILM		
	1		·		
	TOTAL			TOTAL	i
	TOTAL		U-FACTOR DOOR	TOTAL AREA	
<u> </u>				AREA	
FLOOR	AREA		DOOR		
FLOOR MATERIAL	AREA		DOOR MATERIAL	AREA	
FLOOR MATERIAL	AREA		DOOR MATERIAL	AREA	
FLOOR MATERIAL	AREA		DOOR MATERIAL	AREA	
FLOOR MATERIAL	AREA		DOOR MATERIAL	AREA	
MATERIAL OUTSIDE FILM	AREA		DOOR MATERIAL OUTSIDE FILM	AREA	
FLOOR MATERIAL	THICKNESS (IN.)		DOOR MATERIAL	THICKNESS (IN.)	
OUTSIDE FILM	AREA		DOOR MATERIAL OUTSIDE FILM	AREA	

LOCATION	FHL
BLDG. NO	2201

2 1			1	
3.1	HEATING	EQUIPMENT	4	C00 L1-69

Heat Source:					
Furnace S	team Hot Water oiler Boiler	Heat Sup Pump (Ex	plied Steam or Hot	t Water Other	
11,800	BHH - WOLLED	208V/10/7.1A			
Capacity: 11,600	Btu/Hr or	Boiler HP or	Lbs/Hr	Steam or	GPM Hot Water
Manufacturer: 7	LONE AIRE - Zmi	INC.	Model No.: CS	M311350	
Boiler/Furnace Contr	rol: Manual	Time Clock	Demand	EMCS	O ₂ Trim
Operating Temperatur	re:	°F	Operating Pressu	ıre:	PSI
	Only Nat. Gas/				
Other (Spe	ecify)		5,4.0.	Induced	
					:: Yes No
Operating Schedule:	Weekdays:	From	То	Hr/Day	
	Weekdays & Holidays:				
	Operating Season:				
Flue Gas Temperature	2:°F				
If supplied Steam or Hot Water:	iteam Pressure	PSI Hot Water Suppl	y Temp°	F Hot Water Retur	n Temp. °F
Insulation: (1) Boi				ecify)	
	Area			Area	FT2
Non	re: Temp		°F None	Temp.	°F
Pump: No. of Pumps_			V/PH/FLA	/	/
HW Pump Start	er: HOA Rese			locked with Boiler?	
FOR LARGE BOILERS (o	ver 6,000 MBTUH): Com	bustion Control Mfg.		Mode1	
Condensate Pumps/Hot	Water Pumps: Mfg		Mode1		НР
Boiler/Furnace Condi	tion:				
Describe					
	· · · · · · · · · · · · · · · · · · ·				
Occupant Discomfort					
	(Evaluate):				
	(Evaluate):				

120						1							
BLDG. 220	REMARKS	(LIGHTS/SWITCH)											
7+1	WINDOW												
	FINISH E E I A C L C C C C C C C C C C C C C C C C C	 -		-		 		ļ]	
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S	S											1	
LOCATION	COLORS			 	-	 			 	 			
2	CETL ING HEIGHT	(EI)											
	MEASURED 1LLUMI- CETLING NATION HEIGHT	(FC)											. O
	WATTS PER SQ.FT.	(W/FT ²)										·	LEGEND
	FLOOR AREA SERVED	(FT ²)											9 N
	LIGHTING FLOOR ENERGY SERVED	(KWH/YR) (FT ²) (W/FT ²)						•					LIGHTING
	DAYS/ YEAR ON												اب
	HOURS/ DAY ON												
	TOTAL												
	NUMBER OF FIXTURES	+			3	:					-		
	LAMPS NUMBER PER OF FIXTURE FIXTURES AND	FIXTURE 77			-03								
	LAMP TYPE AND	F3+			60 L							NG RGY	
	FIXTURE TYPE	Sun!	21.12		Sunt		·					TOTAL BUILDING LIGHTING ENERGY	
LIGHTING	TASK	7	(GRS JANAT.IN))	Ex7							T0TAI L1GH1	
									<u> </u>	 			

Recessed = R
Suspended = S
Ventilated = V
Pole Mounted = PM
Other--Describe

1 = Corridors 6 = Offices-drafting 12 = Storage room 2 = Kitchens 7 = Laundry 13 = Retail store 6 = Toilets (Px, commissary) 4 = Offices-general 9 = Sleeping quarters Other (describe on 5 = Offices-bookkeeping 10 = Supply rooms (ledgers only) 11 = Repair shops E = Exterior

Tasks Code:

If there are windows, indicate:

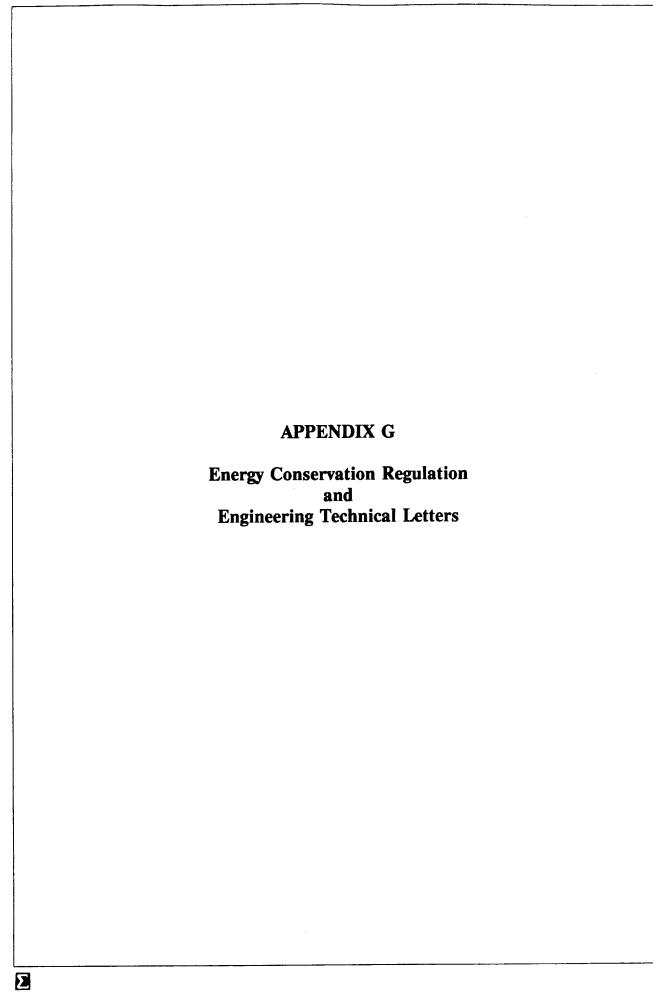
Window Code:

Lamp Types:

Fixture Types:

Curtains = C Shades = S No Shading = NS

Incandescent = I Fluorescent = F Sodium Vapor = SV Mercury Vapor = MV Metal Halide = MH Other--Describe



DEPARTMENT OF THE ARMY HEADQUARTERS, 7TH INFANTRY DIVISION (LIGHT) AND FORT ORDFort Ord, California 93941-5000

Ft Ord Regulation No. 11-2

3 0 OCT 1985

Army Programs ENERGY CONSERVATION MANAGEMENT

- 1. PURPOSE. This regulation updates, adds, and describes policies, procedures, and responsibilities for the 7th Infantry Division (Light) and Fort Ord Base Complex Energy Program. This regulation additionally supplements AR 11-27, Army Energy Program, 7 July 1985.
- 2. APPLICABILITY. This regulation applies to all elements of the 7th Infantry Division (Light) and Fort Ord Base Complex including all Government-owned contractor-operated (GOCO) activities and leased facilities. The regulation applies to the administrative and other non medical areas of hospitals and medical facilities where practicable.

3. REFERENCES.

- a. AR 11-27, Army Energy Program.
- b. AR 420-49, Heating, Energy Selection and Fuel Storage, Distribution, and Dispensing Systems.
 - c. AR 190-11, Physical Security of Arms, Ammunition and Explosives.
 - d. AR 200-1, Environmental Protection and Enhancement.
 - e. Army Facilities Energy Plan.
 - f. Fort Ord Regulation 420-1.
 - g. Fort Ord Base Complex Comprehensive Energy Plan.
 - h. DA Pamphlet 210-2, Handbook for Family Housing Occupants.
 - i. Fort Ord Addendum to DA Pam 210-2.

4. DEFINITIONS.

- a. Energy. The term "energy" as used herein encompasses all forms and sources, including renewable and nonrenewable, of energy.
- b. Mobile fuels. All forms of energy sources/fuels used in combustion engine equipment, to include portable TOE generators, wheel and track vehicles, heavy equipment and all types of aircraft and marine equipment.

^{*} This regulation supersedes Fort Ord Regulation 11-2, 26 Apr 79, and all changes.

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c. Facilities energy. All forms of energy sources/fuels used in the provision of utilities services.

- d. Nonrenewable energy source. Fuel oil, petroleum, natural gas, liquefied petroleum gas, synthethic fuels, coal, purchased steam or electricity, or other such energy sources.
- e. Renewable energy source. Sunlight (solar), wind, geothermal, hydropower, biomass, solid wastes, or other such sources of energy.
- f. Fort Ord Base Complex. All units and activities located at Fort Ord, Fort Hunter Liggett, Presidio of Monterey, including tenant units and activities, Army Reserve Centers and units, and activities satellited on Fort Ord or the subinstallations (FHL, POM) for support.
- 5. OBJECTIVES. To meet the objectives stated in the Army Energy Program AR 11-27 and the following:
- a. To not only meet the energy goals established by FORSCOM and higher headquarters, but to consume less energy than allocated.
- b. To continuously evaluate, analyze, and revise energy programs, policies, directives, operating procedures, and efforts to ensure that available energy resources are used efficiently and effectively in support of mission requirements.
- c. To become the recognized leader in energy conservation in Forces Command.
- d. Establish energy conservation as a priority Command interest program. As such, Commanders and supervisors at all levels are expected to impress on each individual, military and civilian, the importance of their contribution.
- e. Promote energy awareness and achieve an environment in which each individual actively and willfully conserves energy and participates in the Program.
- f. Recognize accomplishments of military and civilian personnel in energy conservation.
- 6. POLICY. The 7th Infantry Division (Light) and Fort Ord Base Complex energy policies are consistent with the Army Energy Program policies and are supplemented as follows:
 - a. Energy waste will not be tolerated and will be eliminated.
- b. The energy conservation opportunities and measures provided in the appendices of the Army Facilities Energy Plan will be implemented in all facilities where applicable and appropriate.

c. Energy Conservation in no way: reduces the effectiveness of any organization, impairs the health and safety of any personnel, or lessens "quality of life" objectives. In fact, energy conservation efforts help improve each of these areas when properly managed.

d. The 7th Infantry Division (Light) and Fort Ord Base Complex Energy Council will serve as the forum to formulate, coordinate, revise, and disseminate energy policy and actions.

7. RESPONSIBILITIES.

- a. Commanding General, 7th Infantry Division (Light) & Fort Ord: Overall responsibility for the efficient management of energy resources of the 7th Infantry Division (Light) & Fort Ord Base Complex.
 - b. Assistant Division Commander (Maneuver).
- 1. Has direct responsibility for the efficient management of energy resources.
- 2. Presides as the chairman of the 7th Infantry Division (Light) and Fort Ord Base Complex Energy Council; directs the activities of the Council; conducts Council meetings at least quarterly to review reports and recommendations, and evaluates the progress and effectiveness of energy conservation programs. Reviews progress toward meeting energy goals assigned by higher headquarters.
- 3. Directs and expedites staff actions on energy matters as necessary to enhance the effectiveness of energy conservation efforts and to make adjustments in policy as required to meet the energy goals assigned by higher headquarters.
- c. Assistant Division Commander (Support): acts as deputy chairman of the 7th Infantry Division (Light) and Fort Ord Base Complex Energy Council and is responsible for the overall supervision of the Energy Conservation Program. Staff responsibility will be exercised through the Energy Coordinator in coordination with principal staff personnel.
 - d. Energy Coordinator.
 - (1) Manages the DEH, Energy Management Branch.
- (2) Responsible for the administrative duties of directing the 7th Infantry Division (Light) and Fort Ord Base Complex Energy Program.
- (3) Coordinates facility, mobility, and research and development energy matters.
- (4) Serves as single POC on all energy related matters for the Commana and higher headquarters.

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(5) Develops and maintains active command energy program.

- (6) Writes regulations to implement policy and controls established for effective energy conservation management as directed by higher authority and the 7th Infantry Division (Light) and Fort Ord Base Complex Energy Council.
- (7) Actively promotes Command and family housing community energy awareness.
- (8) Actively participates in the 7th Infantry Division (Light) and Fort Ord Base Complex Energy Council.
- (9) Develops and maintains the Complex comprehensive energy plan (facility energy and mobility fuels) with input provided by DOL.
 - (10) Develops and maintains an active energy information program.
- (11) Develops and maintains accurate and timely energy management information programs. The Defense Energy Information System (DEIS) reports are the foundation of the program.
- (12) Maintains liaison and cooperation with local representatives of Federal, State, and other local energy offices.
 - (13) Develops and recommends energy conservation projects.
- (14) Coordinates energy conservation matters with the FORSCOM energy office.
- (15) Maintains liaison on energy matters with the Corps of Engineers and other MACOMS as appropriate.
 - (16) Maintains communications with contractor's energy offices.
- (17) Reviews commercial activities (CA) work statement to ensure contractor participation in energy conservation.
- (18) In conjunction with government contracting personnel, ensures that operational organizations placed under the CA work statement have responsibility to physically develop methods/projects for the conservation of energy.
- (19) The above responsibilities will not usurp the functional and technical responsibilities of the facility engineering, supply, financial, or industrial operations activities.
- (20) Manages other energy conservation related functions as may be specified in Fort Ord Regulation 420-1.
 - (21) Provides support to units/activities upon request for energy

inspections, energy SOP development, Energy Conservation Officer training, and energy conservation opportunity/measure implementation.

- e. Director of Engineering and Housing (DEH).
- (1) Maintains and actively supports the Energy Management Branch. Staffs the Branch with full-time personnel. The Chief of this Branch is the Energy Coordinator for the 7th Infantry Division (Light) and Fort Ord Base Complex.
- (2) Serves as a member of the 7th Infantry Division (Light) and Fort Ord Base Complex Energy Council.
- (3) Assigns facility energy goals for each subinstallation (FHL and POM) and Army Reserve Center attached for support purposes based on: active facility area (sq. ft.) and expected increases, environmental conditions, energy goals assigned to the Complex by higher headquarters, and other energy engineering considerations.
- (4) Ensures efficient operation of existing utilities, plants, systems; and develops construction and modification projects for facilities to employ conservation principles. Provides guidance and recommendations on the efficient use of facility energy.
- (5) Performs continuous analysis of utilities and energy consuming operations to ensure efficient and economical use of equipment, energy, and materials. Reviews the electric, gas, and water consumption charges and rate schedules for accuracy.
- (6) Develops and obtains data on status of utilities programs for reporting at conferences and developing graphical reports.
- (7) Reviews, conducts, and supervises a Complex wide utilities conservation and facilities maintenance self-help program for all units and activities utilizing and occupying government owned facilities including BOQ'S. Includes family housing in the program as changes occur in the contractor scope of work that may leave energy conservation related tasks uncovered by the contract due to budget constraints.
- (8) Monitors family housing utility usage where possible. Ensures all occupants are aware of their responsibilities under the Energy Program prior to occupation of quarters. Conducts housing area inspections for energy conservation violations such as leaving outside lights on during daylight hours and improper lawn watering. Impresses upon family housing residents the significance of their individual contribution and compliance with the Energy Program. Keeps family housing residents informed of energy conservation related matters.
- (9) Keeps the Energy Coordinator informed of and actively involved in all activities and plans that involve energy use and conservation.

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- f. Director of Logistics.
- (1) Serves as a member of the 7th Infantry Division (Light) and Fort Ord Base Complex Energy Council.
- (2) Ensures that the most energy efficient and cost effective processes and equipment are used in all operations.
- (3) Identifies high energy consuming processes and coordinates energy efficiency improvements with the Energy Coordinator.
- (4) Determines, in conjunction with the Energy Coordinator, possible and necessary modifications to reduce energy consumption and improve energy efficiency in plant operations.
- (5) Takes necessary actions to schedule heavy energy (electrical) using devices for operation during off-peak hours whenever possible.
- (6) In conjunction with the Energy Coordinator, develops Energy Conservation and Management (ECAM) projects for GOCO plants.
- $\ensuremath{(7)}$ Exercises overall supervision of the Mobility Fuel Conservation Program.
- (8) Monitors and ensures compliance with the policies of the Mobility Fuel Conservation Program for the 7th Infantry Division (Light) and Fort Ord Base Complex in conjunction with ACofS G-3, G-4, and DPTM.
- (9) Prepares and ensures the timely submission of the DEIS I report. Provides the Energy Coordinator with an information copy of the report.
- (10) In conjunction with ACofS G-3, G-4, and DPTM, formulates goals, plans, and priorities as required for the allocation of mobility fuels to units and activities of the 7th Infantry Division (Light) and Fort Ord Base Complex.
- (11) Provides assistance as required to the Energy Coordinator for development and implementation of Comprehensive Energy Plans (facility and mobility) for the Complex.
- (12) Keeps the Energy Coordinator informed of and actively involved in activities and plans that involve energy use and conservation.
 - g. Director of Personnel and Community Activities (DPCA).
- (1) Serves as a member of the 7th Infantry Division (Light) and Fort Ord Base Complex Energy Council.
- (2) Monitors energy usage by non appropriated and sundry fund activities.

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(3) Ensures that energy consuming fund raising activities such as car washes are only approved for officially recognized charities.

- (4) Ensures sound energy management is exhibited in all facilities such as the commissary and post exchanges, eg., space temperature, lighting, concessions.
- (5) Ensures that energy saving products are made available for purchase at the post exchange.
- (6) Provides support and necessary assistance to the DEH Energy Management Branch for Energy Awareness Week Activities.
- (7) Keeps the Energy Coordinator informed of all activities and plans that involve energy consumption and conservation.
 - h. Director of Plans, Training and Mobilization (DPTM).
- (1) Serves as a member of the 7th Infantry Division (Light) and Fort Ord Base Complex Energy Council.
- (2) In coordination with DOL/ACofS G-3, G-4, formulates goals, plans, and priorities as required for the allocation of mobility fuels for operations and training.
- (3) Implements and monitors the Mobility Fuel Conservation Program as it pertains to operations and training.
- (4) Keeps the Energy Coordinator and DOL informed of all activities and plans that involve energy consumption and conservation.
 - i. Assistant Chief of Staff (G-3).
- (1) Serves as a member of the 7th Infantry Division (Light) and Fort Ord Base Complex Energy Council.
- (2) In coordination with DOL, DPTM, and ACofS G-4 formulates goals, plans, and priorities as required for the allocation of mobility fuels for operations and training.
- (3) In conjunction with DPTM, implements and monitors the Mobility Fuel Conservation Program as it pertains to operations and training.
- (4) Keeps the Energy Coordinator and DOL informed of all activities and plans that involve energy consumption and conservation.
 - j. Assistant Chief of Staff (G-4).
- (1) Serves as a member of the 7th Infantry Division (Light) and Fort Ord Base Complex Energy Council.

(2) In coordination with DOL, DPTM, and ACofS G-3 formulates goals, plans, and priorities as required for the allocation of mobility fuels to units and activities of the 7th Infantry Division (Light) and Fort Ord Base Complex.

- (3) In conjunction with DOL implements and monitors divisional and non-divisional POL consumption and the Mobility Fuel Conservation Program.
- (4) Checks for compliance with energy conservation policies of this and referenced regulations and energy plans when inspecting dining facilities.
- (5) Keeps the Energy Coordinator, DEH, and DOL informed of all activities and plans that involve energy consumption and conservation.
 - k. Garrison Commanders Fort Hunter Liggett and Presidio of Monterey.
- (1) Serve as members of the 7th Infantry Division (Light) and Fort Ord Base Complex Energy Council.
- (2) Establish Energy Conservation Programs and Energy Councils for FHL and POM consistent with and based on policies and guidance in this regulation. This regulation may be supplemented on those subinstallations in lieu of developing separate Energy Programs.
- (3) Directly responsible for meeting assigned energy goals established for POM/FHL and as such will serve as chairmen of their respective subinstallation energy councils.
- (4) Keep the Energy Coordinator and DEH (Fort Ord) informed of activities and plans that involve energy consumption and conservation.
 - 1. Public Affairs Office (PAO).
- (1) The PAO will serve as a member of the 7th Infantry Division (Light) and Fort Ord Base Complex Energy Council.
- (2) Supports the energy conservation program and energy awareness efforts by the use of all available media in order to educate personnel on energy matters and stimulate active support.
- (3) Ensures that energy awareness articles are given priority and provided a place of prominence in newspapers and publications.
- (4) Provides media coverage of the annual Energy Awareness Week activities.
- (5) In conjunction with DPCA, assists the Energy Coordinator in planning and developing annual Energy Awareness Week activities.
 - m. Provost Marshal.
- (1) Serves as a member of the 7th Infantry Division (Light) and Fort Ord Base Complex Energy Council.

- (2) Assists in the implementation of energy conservation measures when safety and security requirements may be affected.
- (3) Assists in the enforcement of the directives of this regulation where applicable in cooperation with the Energy Coordinator and other members of the Energy Council. Special attention will be given to lighting, watering, and electric space heater violations.
 - n. Civilian Personnel Officer (CPO).
- (1) Serves as a member of the 7th Infantry Division (Light) and Fort Ord Base Complex Energy Council.
- (2) Recognizes units/activities and individuals for outstanding achievements in energy conservation.
- (3) Will develop and implement a Facilities Energy Conservation Excellence Incentive Award Program for units and activities with input provided by DEH.
- o. Adjutant General will ensure that energy conservation articles are published in official publications, periodicals, and bulletins, and serve as a member of the Energy Council.
- p. 7th Infantry Division (Light) and Fort Ord Base Complex Energy Council members will:
- (1) Meet with the chairman upon notification. (See Appendix A for membership).
- (2) Appoint an Energy Conservation Officer (ECO) on DF (DA Form 2496) for each level of command down to and including the brigade and battalion level. Brigade and battalion Commanders may at their discretion require the appointment of ECOs at the company, battery, or troop level. Other personnel may be additionally assigned at the division level, directorates, activities, tenant organizations and activities, and Offices to assist in carrying out the program. Each member of the Energy Council will appoint at least one Energy Conservation Officer in writing to carry out the duties of the Energy Conservation Officer as specified in this regulation. Senior NCOs (E-7 through E-9) may be appointed as ECO at the company, troop, battery level. Civilian employees may be appointed as ECO at the directorates, Offices, and other organizations when the Director, Office Chief, or Commander deems the appointment appropriate. A copy of all the ECO appointing authority DFs will be forwarded to Chief, ERMD, AFZW-DE-RM, ATTN: Energy Management Branch.
- (3) Personally support, monitor, and ensure compliance with the energy conservation program and directives.
 - q. Energy Conservation Officers will:

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(1) Publish an energy conservation SOP for the Command, battalion, company, troop, battery, or other organization assigned and forward a copy through command channels to Chief, ERMD, AFZW-DE-RM, ATTN: Energy Coordinator. The energy conservation SOP will not be a restatement of this regulation or AR 11-27, but will assign specific responsibilities and duties to various personnel within the organization for which it is applicable. For example, the unit may have a motor pool that has authorized security lights that are manually controlled. The SOP will specifically address when the lights may be turned on and off and who will do it each day, including weekends.

- (2) Attend energy conservation training classes. See Fort Ord Reg 420-1.
- (3) Company, troop, and battery level ECOs, and ECOs of other organizations specified by Commanders, will conduct monthly inspections of assigned buildings and areas. All other organizational level ECOs will conduct inspections at least quarterly of all units, buildings, and areas.
- (4) Appoint Energy Conservation Monitors for each building/area assigned. Provide training for appointed Monitors.
- (5) Take immediate action to implement the energy conservation opportunities and measures provided in the appendices A and C and no/low cost portion of appendix B of the Army Facilities Energy Plan. Maintain records showing implementation progress.
- (6) Take immediate action to correct discrepancies discovered during inspections. Ensure records are maintained describing completed work/ progress or action taken to complete work.
- (7) Take immediate action/provide direction and guidance to correct discrepancies discovered by Energy Conservation Monitors. Maintain records describing completed work/progress or action taken to correct discrepancies.
- (8) Request inspection assistance once each quarter from Chief, ERMD, AFZW-DE-RM, ATTN: Energy Management Branch by DF (DA Form 2496). Requests are to be forwarded enough in advance to allow two weeks notice.
- (9) Maintain liaison with the DEH Energy Management Branch. Request assistance from the Branch as required to: implement energy conservation opportunities and measures, prepare energy conservation SOP, conduct inspections (quarterly), clarify energy related policies/directives.
- (10) Serve as the single POC for Energy Conservation Monitors in reporting space temperature complaints or other energy related problems/recommendations. The Energy Conservation Officer is the only authorized person (except the alternate in his absence) to request assistance from the DEH to correct energy related problems (particularly heating).
 - r. Energy Conservation Monitors will:

- (1) Conduct daily, weekly, and monthly inspections as specified by Fort Ord Regulation 420-1 and as may be directed by the Energy Conservation Officer.
- (2) In conjunction with the Energy Conservation Officer, ensure that all building occupants are aware of their responsibilities and that occupant cooperation and assistance is essential.
- (3) Forward a copy of the Building Energy Conservation Monitor Checklist to the Energy Conservation Officer at the end of each month. (See FO Reg 420-1).
- (4) Notify the Energy Conservation Officer immediately of any energy related problems that require immediate attention/resolution as specified in the energy conservation SOP.
- (5) Inform all building occupants that the Energy Conservation Monitor (Energy Conservation Officer in the absence of the Monitor) is the single POC for energy related problems/complaints/recommendations.
- (6) Place a mercury thermometer in each normally occupied space that is authorized heating and cooling (when applicable). Indicate on the thermometer or on a 3X5 card (placed next to the thermometer) the maximum heating temperature (and the minimum cooling temperature for Fort Hunter Liggett).
 - s. Family Housing Mayors (Fort Ord) will:
 - (1) Maintain liaison with the DEH Energy Management Branch.
- (2) Assist the DEH Energy Management Branch with energy awareness and education activities/actions for family housing occupants.
- (3) Provide assistance to the DEH Energy Management Branch in energy conservation incentive efforts.
- (4) Establish a Family Housing Energy Council and elect a family housing mayor to serve as the chairman of the Family Housing Energy Council and as a member of the 7th Infantry Division (Light) and Fort Ord Base Complex Energy Council.
- t. Director Health Services and Director Dental Services will develop Energy Conservation Programs, regulations, and directives for all medical and dental facilities; will appoint an Energy Conservation POC for their respective Commands and forward a copy of the appointment correspondence to Chief, ERMD, AFZW-DE-RM, ATTN: Energy Management Branch.
- u. Inspector General (IG) makes energy conservation a matter of special interest during inspections. Serves as a member of the 7th Infantry Division (Light) and Fort Ord Base Complex Energy Council.

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The proponent of this regulation is Directorate of Engineering and Housing. Users are invited to send comments or suggestion changes to Commander, 7th Infantry Division and Fort Ord, ATTN: AFZW-DE-RM, Ft Ord, CA 93941-5777

FOR THE COMMANDER:



JAMES B. BYRNES Colonel, GS Chief of Staff

KENT R. SCHNEIDER
MAJ, SC
Director of Information Management

APPENDICES:

- A 7th Infantry Division (Light) and Fort Ord Base Complex Energy Council
- B Heat Conservation Guidance and Space Heating Temperature Standards
- C Domestic Hot Water
- D Electrical Eenrgy Conservation Directives
- E Water Conservation Directives
- F Building Space Utilization and Survey
- G Miscellaneous Procedures
- H Energy Conservation Contingency Actions

DISTRIBUTION:

A plus AFZW-DE-RM (10) AFZW-DI-PO (10) AFZW-MI-AP (200)

APPENDIX A - 7TH INFANTRY DIVISION (LIGHT) AND FORT ORD BASE COMPLEX ENERGY COUNCIL

- 1. PURPOSE. Serve as a forum to formulate, coordinate, and disseminate energy policy and actions.
- 2. MEMBERSHIP. The membership of the Energy Council will consist of the following:
 - a. ADC(M), 7TH INF DIV Chairman
 - b. ADC(S), 7TH INF DIV Deputy Chairman
 - c. Gar Cdr, Fort Ord
 - d. DEH, Energy Coordinator
 - e. DEH, Ft Ord
 - f. DOL, Ft Ord
 - g. DPCA, Ft Ord
 - h. DPTM, Ft Ord
 - i. Chief of Staff

 - j. Gar Cdr, FHL
 - k. Gar Cdr, POM
 - 1. ACofS, G-3
 - m. ACofS, G-4
 - n. PAO
 - o. Provost Marshal
 - p. DRM
 - q. Adjutant General
 - r. CPO
 - s. Chairman, Family Housing Energy Council, Ft Ord
 - t. Cdr, 1st Bde, 7TH INF DIV
 - u. Cdr, 2nd Bde, 7TH INF DIV
 - v. Cdr, 3rd Bde, 7TH INF DIV
 - w. Cdr, Bayonet Combat Support Bde, 7TH INF DIV
 - x. Cdr, DIVARTY, 7TH INF DIV
 - y. Cdr, DISCOM, 7TH INF DIV
 - z. CMDT, DLI
 - aa. Cdr, 1/51st ADA BN, 7TH INF DIV
 - bb. Cdr, 13th ENGR BN, 7TH INF DIV
 - cc. Cdr, CBT AVN Bde
 - dd. Cdr, 7/7TH ADA Bn
 - ee. Cdr, 2/10th RECON. SQDN
 - ff. Cdr, 107 MI BN (CEWI), 7TH INF DIV
 - gg. Cdr, 127th SIGNAL BN, 7TH INF DIV
 - hh. Cdr, P&A BN
 - ii. Cdr, HHC, 7TH INF DIV
 - jj. DRCS, Ft Ord
 - kk. Cdr, IASO
 - 11. DOIM, Ft Ord
 - mm. DHS, Ft Ord
 - nn. DDS, Ft Ord
 - co. Dir. CDEC
 - pp. IG, Ft Ord
 - aq. Post Chaplain
 - rr. Cdr. USAIC SATCOM Camp Roberts, CA

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3. RESPONSIBILITIES.

a. Assist the Commanding General, 7th Infantry Division (Light) and Fort Ord meet the objectives of the Army Energy Program AR 11-27 and the additional objectives specified in this regulation.

- b. Review guidance and directives from higher headquarters, relating to energy, and keep abreast of all changes.
- c. Review existing and proposed changes to the 7th Infantry Division (Light) and Fort Ord Base Complex energy regulations, policies, directives, and energy plans to ensure that they are in consonance with the energy guidance and directives from higher headquarters.
- d. Develop and recommend initiatives, incentives, and additional actions for consideration to improve the energy program.
- e. Personally promote energy awareness in areas of responsibility and ensure compliance with existing energy policy and directives.
- f. Recognize accomplishments of Army personnel as they pertain to energy conservation.
- g. Participate in contingency planning for actions to be taken in the event of an energy supply interruption or curtailment.

APPENDIX B - HEAT CONSERVATION GUIDANCE AND SPACE HEATING TEMPERATURE STANDARDS

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- 1. BUILDING TEMPERATURE NON FAMILY HOUSING. A majority of the building heating systems are controlled automatically and no manual adjustment is required. Adjustments to automatic systems will be made by DEH.
- a. All building occupants will refer building space temperature complaints to the appointed Energy Conservation Monitor. The Energy Conservation Monitor will refer valid temperature complaints to the Energy Conservation Officer (or to the appointed alternate in his absence). The Energy Conservation Officer (ECO) is the only authorized person to refer space temperature complaints to DEH.
- b. Valid space temperature complaints will be referred by the ECO to the DEH Work Management Branch, ext 7664 for buildings not controlled by the energy monitoring control system (EMCS). EMCS controlled building space temperature complaints will be referred to the DEH Energy Management Branch, ext 4503 by the ECO.
- c. Energy Conservation Monitors will check the space temperature in the assigned building daily. The temperature in any area shall not exceed the temperature outlined below during the heating season. The monitor will adjust manual thermostats to lower the temperature when possible. The monitor will contact the ECO and inform him immediately when the temperature can not be lowered due to automatic or manual control malfunction.
- d. Except for hospitals, other medical and dental facilities, child care centers, pre-schools, and special requirement areas that have been authorized an exception in writing by DEH, buildings will not be heated when the outside air temperature is 65 degrees F or above. The following are the maximum authorized heating temperatures and must not be exceeded:
- (1) 65 degrees F. Living quarters when occupied and occupants are awake, dining facilities, administrative areas, offices, chapels, PX buildings, commissaries, theaters, locker rooms, and shower areas in gymnasiums, and similar areas involving little or no physical exercise. The temperature in these areas shall be reduced to 55 degrees F during non-working hours, periods when not normally occupied, and hours when occupants are sleeping.
 - (2) 60 degrees F. Supply and issue rooms and similar areas.
- (3) 55 degrees F. Shops, hangars, gymnasiums, motor pools, and other buildings or sections of buildings, where many employees work in a standing position and exercise moderately.
- (4) 40 degrees F. Shops, warehouses, and similar areas, where personnel do work involving considerable exercise such as heavy packing, cracing, and stacking; or where the building is normally unoccupied, but heat is required to protect material and installed equipment from freezing. Heat will not be permitted in warehouse sections which do not contain material or equipment requiring protection from freezing or condensation

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and where warehousing of stored goods is the only operation. Heat for prevention of condensation on stored machinery and materials will be supplied only after a thorough survey of all conditions and the approval of FORSCOM.

- (5) 76 degrees F. Operating and delivery rooms.
- (6) 75 degrees F. Recovery rooms, nursery, and nursing units.
- (7) 80 degrees F. Intensive care, special care nursery, and special treatment rooms.
 - (8) 70 degrees F. Other occupied medical areas.
- (9) Special purpose rooms such as paint shops and drying rooms may be allowed up to a maximum 80 degrees F when authorized in writing by DEH.
- e. The operation of threshold heaters and portable heating devices is prohibited where the intent is to supplement central heating systems. They are also prohibited where the intent is to circumvent the heating standards outlined above. Electrical resistance heating is not authorized for personnel comfort. In rare instances or in an emergency, written permission to utilize heating equipment other than the central system may be obtained from DEH. In such instances, utilization of such heating equipment must allow the central system to be lowered or shut down and an overall energy consumption reduction can be achieved and proven. Electric heaters, when permitted, shall be Underwriter's Laboratories, Inc., labeled or listed and shall be of a type in which the electrical circuitry is automatically shut off in the event the unit is tipped over. Power supply cords and plugs shall be in good condition and the supply circuit shall be adequate for safe use. Unapproved heaters shall be considered contraband and will be confiscated by the Provost Marshal. A copy of the DF granting approval to use electric space heaters must be posted and available to Fire or Energy Inspectors, Provost Marshal personnel, and inspection parties at all times.
- f. The heating system shall be shut down/turned to the lowest setting whenever windows or doors are opened. (See paragraph 2 below)
- g. When sunlight is available during winter days, the drapes, blinds, and shades shall be opened on the sunny sides of buildings. The window coverings shall be closed when it is cloudy/overcast and at the end of each work day.
- h. The Energy Conservation Officer will inform the DEH Energy Management Branch, ext 4503 anytime a building that is normally occupied and heated will be unoccupied for more than 72 hours.
- i. Opening windows and foots shall not be used as a method of regulating heat. Rooms/buillings that sandot is asincated at or below the maximum authorized semperature until as sandotal to the Energy Conservation Officer and DEH immediatesty
- j. Personnel was never the comparation of the compensature standards should be encouraged to the compensature of the compensature.

2. VENTILATION - (NON-MEDICAL FACILITIES).

- a. Ventilation of buildings during the heating season or when the outside temperature is less than 65 degrees F will be limited to that necessary for the health of occupants. Noticeable odors are good indicators of the need to ventilate spaces.
- b. Ventilation of buildings will be closely monitored to prevent heating and air conditioning energy waste. The heating or air conditioning system must be shut off when the windows and doors of a building are opened for more than a couple of minutes to provide fresh air and ventilation. The Building Energy Monitor shall turn the thermostat to ensure the heater or air conditioner will not come on (eg. lowest setting during heating season and highest setting during air conditioning season). The Building Energy Monitor shall call the Energy Management Branch, ext 4503 to have the systems shut off by the Energy Monitoring Control System computer when applicable. Windows may be opened at anytime and for as long as desired providing the heating and air conditioning systems have been shut off.
- c. Exhaust hoods in food preparation areas shall be used only while cooking operations are in progress. The air path in the exhaust duct shall be closed when a damper is provided and the fan is not in operation.

3. BUILDING TEMPERATURE - FAMILY HOUSING.

- a. Family housing occupants will maintain indoor temperatures at a maximum 65 degrees F while awake. The thermostat shall be set to 55 degrees F before retiring in the evening.
- b. Thermostats will be turned down to the lowest setting anytime the house will be unoccupied for more than 12 consecutive hours.
 - c. Windows near thermostats will be kept tightly closed.
- d. The filter in forced air heating systems will be inspected each month by an adult resident when the filters are accessible or at least once each quarter by DEH when filters are not accessible to residents.
- e. Portable space heaters of any type are strictly forbidden except as authorized and may be furnished by DEH in an emergency.
- f. Thermostats will be turned to the lowest setting anytime the windows and doors are left open for more than a couple of minutes.

APPENDIX C - DOMESTIC HOT WATER

- 1. HOT WATER TEMPERATURES. Hot water heating equipment will be operated to provide water to the points of use at maximum temperatures shown below to include all hot water other than that used for space heating.
- (a) 105 degrees F. General domestic uses, personal hygiene, or general cleaning will not exceed the maximum temperature at the destination, or it will not exceed the lowest setting on the hot water temperature control if the specified temperature cannot be achieved. Includes family housing units without automatic dishwashers.
- (b) 140 degrees F. Automatic dishwashers in dining facilities or other food service areas. Includes family housing units equipped with automatic dishwashers.
- (c) 180 degrees F. Final rinsing of dishes and kitchen utensils in dining facilities and other food service areas. Does not include family housing units.
- 2. HOT WATER SUPPLY. Hot water will not be supplied to the following areas: administrative areas (offices); retail areas, except for food service and handling areas; warehouses; light work shops; toilet rooms and other spaces that could function without hot water.
- 3. EXCEPTIONS. Except for the following, requests for exceptions to the hot water temperature and supply restrictions will be forwarded to Chief, ERMD, AFZW-DE-RM, ATTN: Energy Management Branch through the Director of Health Services.
 - Industrial and manufacturing processes.
- b. Medical and food handling operations. Hot water temperatures required to meet health regulations are exempt.
- c. Domestic hot water obtained $\underline{\text{wholly}}$ from solar energy and/or waste heat recovery processes.
- 4. Hot water heaters will be insulated with fiberglass insulation blankets unless the heaters are the "Energy Efficient" type that have the additional insulation built in.
- 5. Domestic hot water supply piping shall be insulated where readily accessible.

APPENDIX D - ELECTRICAL ENERGY CONSERVATION DIRECTIVES

- 1. Electric heaters are prohibited for use in any building on the Fort Ord Base Complex except as noted in Appendix B. Electric hot water heaters are prohibited in all facilities except when there are no other alternative energy sources (utilities) available and an exception has been authorized by DEH in writing. Electric space heaters shall not be purchased or issued for use in any facility. Requests for purchase/issue to meet emergency requirements will be forwarded to DEH through Chief, ERMD, AFZW-DE-RM, ATTN: Energy Management Branch.
- 2. Refrigerators are prohibited for use in all facilities except dining facilities, family housing, barracks (BEQs/BOQs), commissaries, food retail areas, and authorized food storage and handling areas. Requests for exceptions to this policy shall be forwarded to the Garrison Commander through DEH. Exceptions may be authorized on a case-by-case basis for special situations or requirements such as storage of photographic film, chemicals, etc. Energy Conservation Officers will ensure that refrigerators are being fully utilized in barracks. In general, 2 cubic feet of refrigerator space per person should be maximum authorized in barracks (BEQs/BOQs).
- 3. Heat producing appliances used for cooking or heating food, except coffee pots, are prohibited for use in all areas except family housing, dining facilities, commissaries, and food retail sales areas. Requests for exceptions to this policy shall be forwarded to the Garrison Commander through DEH.
- 4. Controls, commensurate with the objectives of the energy program, will be established by the unit Commander or supervisor for electrical personal convenience items.

5. AIR CONDITIONING.

- a. During the summer cooling season, space temperatures will not be held lower than 78 degrees F for personnel comfort.
- b. Will not be turned on when the outside air temperature is below 78 degrees F.
- c. Will be turned off when the building is unoccupied, except as required for special equipment.
- d. Army Medical Department facilities are exempt from the above listed standards. Requests for other exceptions to this policy shall be forwarded to DEH.
- 6. Refrigerated drinking water fountains shall not be plugged in and the electrical cords shall be removed except for those in medical facilities and those at Fort Hunter Liggett.

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7. Government furnished or owned clothes dryers shall be natural gas or propane fueled when possible. Natural gas and propane clothes dryers will have electric ignition when purchased. Government contracting personnel shall not purchase an electric clothes dryer for use in any facility unless electricity is the only source of power/fuel available.

8. The use of electric appliances such as ranges, stoves, and ovens is discouraged. When natural gas or propane is available to a facility, replacement appliances shall be natural gas or propane. Existing operational electric appliances shall not be removed and replaced merely to meet this requirement. This requirement will be met through attrition, eg. when an electric range fails it will be replaced by a natural gas range if natural gas is available. New natural gas and propane appliances shall be equipped with electric ignition.

9. Lighting.

- a. All lights will be turned off when not in use.
- b. Except for security lighting required by AR 190-11, Physical Security of Arms, Ammunition, and Explosives, no Army requirement exists for security or firelights over the doors of buildings during unoccupied periods. These lights shall not be used on any building during periods of unoccupancy except as required by AR 190-11. Requests for exceptions to this policy shall be forwarded through the Provost Marshal and DEH to the Garrison Commander.
 - c. Outdoor advertising lighting is not permitted.
 - d. Exterior lighting will not be used:
 - (1) When natural or street lighting is adequate in any area.
- (2) All night except approved security lighting. If security lights are needed, approval must be attained by DF (DA Form 2496) forwarded to the Provost Marshal. If the Provost Marshal determines that a security requirement exists, a DA Form 4283 with the approving DF will be forwarded to Chief, ERMD, AFZW-DE-RM, ATTN: Energy Management Branch. Approved security lighting will be the most energy-efficient lighting practicable, generally high pressure sodium.
- (3) Continuously over weekends in any area. Energy Conservation Officers will provide necessary procedures and instructions to ensure that manually controlled outside lighting is turned off at dawn seven days per week. This procedure will be provided in the responsible organization's SOP along with the location of the lights and individual switches.
 - (4) On buildings not occupied by personnel at night.
 - e. EXTERIOR DECORATIVE and CHRISTMAS LIGHTS.
- (1) One exterior electrically lighted Christmas tree or other electrical display is permitted on each installation/subinstallation. On Fort Ord the exterior display will be located at the Main Post Chapel. On FHL/POM The Garrison Commander will designate the location. All other outdoor decorations will be non-electric.

- (2) Each family housing unit, unit chapel, dining facility, and troops quarters building is authorized one interior illuminated Christmas tree or other electrical display. Interior displays in <u>all other areas</u> will be non-electric.
- (3) All personnel and family housing residents will reduce lighting and electrical consumption in their areas as a minimum compensation for the additional electrical power consumption expected during the holiday season.
- f. Automatic time clocks and photocells will be installed where appropriate to control outside lighting when not needed. Automatically controlled outside lighting that has failed on (continuously illuminated even during daylight hours) will be reported immediately to DEH.
- g. Outside lighting such as porch lights on family quarters and barracks shall not exceed 25 watts. Exterior lights on family quarters will normally be extinguished by 2300 hours daily.
- h. Desks and furniture shall be located to take maximum advantage of daylight. Interior lights will not be used when natural light is adequate nor will they be used in unoccupied or unused portions of facilities.
- i. Interior incandescent lighting will be replaced with flourescent lighting where appropriate.
- j. Energy Conservation Officers will inspect their assigned areas for proper lighting levels. A DEH, Energy Management Branch technician will assist, using a light meter, when requested. DEH assistance may be requested by telephone, ext 4503. Allow at least two working days notice prior to desired inspection date.
- k. During working hours, interior overhead lighting will provide 50 foot-candles at the desk surface level, 30 foot candles in general work areas, and 10 or less foot-candles in non working areas. Illumination shall not exceed 75 foot-candles in any area except in medical and dental facilities when prescribed by the Surgeon General. In general, the maximum authorized wattage for incandescent lamps provided in Table D-l shall not be exceeded.

APPENDIX D TABLE D-1

Schedule of Maximum Authorized Incandescent Light Wattages

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LOCATION	MAX WATTS
Barracks, NCO rooms, Orderly room	75
Exterior, Family housing/vestibule	25
Exterior, (over doors of barracks or other buildings normally occupied at night)	25
Fire exit signs	15
Kitchen, pantry, living room, bedroom	60
Arms Room	100
Auditorium	200
Toilet rooms, baths, and showers	60
Motor Repair Shops/Libraries	150
Squad Room	60
Maintenance Shops	200
Utility and storage closets	40
Heater/furnace rooms	60
Dining facility	75
Corridor/hallway	40
Stairways/stairwells	100
Loading ramp-outside	100
Training/classroom	100

NOTE: The maximum authorized wattage shown for each case is merely a guide to use when light meter readings have not been taken. Army Medical Department Facilities are exempt from these guidelines in general.

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APPENDIX E - WATER CONSERVATION DIRECTIVES

- 1. USE OF WATER. Water use will be supervised in all cases by a responsible individual to prevent water waste.
- 2. WATERING. Irrigation (lawn watering) is not permitted during or immediately after rain storms. Grass will not be watered during the rainy season, 1 October to 1 May. In the event of a protracted dry season as determined by DEH, an official exception to this policy may be issued. Due to the shortage of good quality water in this area, lawns will only be watered enough to sustain life. Lush green lawns are not desirable and are indicative of water waste. Lawns will not be watered between the hours 1000-1800 except by DEH and contracted gardeners.
 - a. Fort Ord housing areas may water two times per week as outlined below.
 - (1) Sunday and Wednesday: Hayes, Stilwell, Marshall, Fitch.
 - (2) Saturday and Tuesday: All other housing areas.
 - b. Fort Ord Troop Areas may water two times per week as outlined below.
- (1) Tuesday and Friday Area l (Bounded by 6th Avenue, Gigling Road, First Avenue, and Third Street.)
- (2) Monday and Thursday Area 2 (Bounded by 6th Avenue and Imjim Rd, Twelfth Street, First Avenue, and Third Street, including all of the 2800 area buildings.)
- (3) Wednesday and Saturday Area 3 (Bounded by the area east of 6th Avenue and Imjim Rd, west of First Avenue, and the areas not enclosed by boundaries as specified for areas 1 and 2 above.)
- c. Watering will be limited to 20 minutes per sprinkler location. An adult shall be present at all times during watering. Watering will be closely monitored to ensure that water does not flow or spray onto streets, driveways, etc.
- d. Watering flowers is permitted at any time. A hose with an automatic shut off nozzle must be used.
- 3. Hardstands, streets, walks, washracks, and driveways which can be broom swept will not be washed with water. Oil spots will be cleaned up using a commercially available oil dry compound or other equivalent means such as cat litter or sand. Saturated oil dry will be properly disposed of.
- 4. Dining facility clean-up areas will be scrubbed and flushed as required to maintain sanitation. Usually, once daily will be sufficient. Hot water will be used sparingly. Vehicles, civilian or military will not be washed in these areas.

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5. Hoses with automatic shut off nozzles shall be used for washing vehicles. Hot water will not be used to wash any vehicle.

- 6. Decorative water fountains are prohibited.
- 7. Organized car washes may be authorized only to raise funds for officially recognized charities as determined by DPCA. Rquests for car washes shall be forwarded to DPCA. A copy of approved car wash requests shall be delivered to DEH at least one day prior to the scheduled date. Car wash requests shall cite that a supervisor will be present to prevent water waste, automatic shutoff nozzles will be used, and environmental standards will be adhered to. The supervisor shall have a copy of the approved car wash DF in his possession at all times and shall present it to an Energy Inspector upon request.

APPENDIX F - BUILDING SPACE UTILIZATION AND SURVEY

- 1. Inefficient use of space is one of the largest sources of energy waste in the Army today. Area allowances for personnel are established by Army regulation AR 405-70 and provides a basis for determining which buildings are under utilized. Personnel and functions must be added to under utilized buildings, or the existing personnel and functions must be relocated to permit building closure.
- 2. AR 405-70 requires Commanders to ensure that only the required minimum number of buildings are being used. Each Commander is responsible to ensure that building utilization surveys are conducted annually to determine actions to be taken to reduce the number of buildings utilized. The following actions should be included in the survey.
 - a. Make drawing of building and rooms (or use blueprints).
- b. Identify each heated/cooled room by activity, number of occupants, and normal hours occupied.
- c. Identify rooms that are occupied intermittently, eg. conference rooms, or rooms that are occupied beyond normal working hours.
- d. Identify rooms that have independent heat or air conditioning controls or temperature sensors.
- e. Reschedule use of rooms that are intermittently occupied, such as class-rooms, so fewer rooms are better utilized.
- f. Rearrange personnel and functions so that rooms which are not occupied or are occupied only intermittently may be closed off.
- g. In training buildings, schedule classes so that buildings are occupied a maximum of four days per week and ensure the heating temperature is reduced to 40 degrees F for the unoccupied period. If there is no danger of pipe freezing, the temperature may be lowered even further or the system shut down completely.
- h. If a building is found to be under utilized, move personnel and functions to another under utilized building, or at a minimum move personnel to one floor of a two story building. Close off the unoccupied floor and allow only enough heat to prevent pipes from freezing if applicable.

APPENDIX G - MISCELLANEOUS PROCEDURES

- 1. Utilities (gas, water, electrical) services may not be connected to trailers, campers, recreation vehicles of any kind, electric vehicles, or similar structures/vehicles from government housing or buildings.
- 2. Temporary repairs to broken windows, doors, etc. will be made on the spot to conserve energy. Corrective and permanent repairs required to conserve energy will be performed by the unit R&U or DEH, as appropriate, in accordance with Fort Ord Regulation 420-1. An example of what is meant as a temporary repair is the covering of a broken window pane with a piece of cardboard and tape until a permanent repair can be effected.

APPENDIX H - ENERGY CONSERVATION CONTINGENCY ACTIONS

- 1. GENERAL. In the event it should become necessary to reduce energy consumption levels below current usage, immediate action will be taken to maximize the efficient use of available energy resources. The ADC(M) will call an Energy Council meeting immediately to direct appropriate action in accordance with this plan and as he may deem necessary. An Energy Emergency Advisory Board consisting of the following personnel as a minimum will take immediate action to implement this plan and keep the Major General informed through the ADC(M): Energy Coordinator, DEH, DIO, DPT, DIC, CofS, ADC(S), PAO, CPO, Chairman of Fort Ord Family Housing Energy Council, Cdr FHL, DPC POM, and DHS.
- 2. REDUCTION PHASES. Phases of energy reduction have been devised to assist in managing available reduced energy supplies. The reduction levels vary from 15% to greater than 50% of normal supply. Each phase (mobility and facility) provides an implementation program to keep usage commensurate with supply.

PHASE NUMBER	MOBILITY REDUCTION	FACILITY ENERGY REDUCTION
ī	15%	15%
II	35%	25%
III	50%	35%
IV	greater than 50%	50%

- 3. COMPUTING REDUCTIONS. Following an announcement to reduce energy consumption to an appropriate phase, the percentage rates of reduction are to be based upon consumption figures for gallons of vehicular fuels (including aviation fuels), MBTU for heating fuels, and kilowatts of electricity as close to the announcement date as possible.
- 4. PHASE I (15% Reduction Level).
 - a. MOBILITY FUELS (15%).
 - (1) Vehicles.
 - (a) Consider fuel expenditures when planning types of training.
 - (b) Schedule training to maximize use of pooled equipment.
- $\ensuremath{(c)}$ Develop most economical means of transportation for equipment and personnel to training sites.
 - (d) Select close-in training sites when possible.

- (e) Maximize combination-type training (road march and range firing) to conserve fuels.
- (f) Eliminate all vehicle pass bys at change of command ceremonies.
 - (g) Combine proficiency training with normal operations.
- (h) Consolidate administrative trips such as ration breakdown and supply runs. Reduce number of trips when consolidation is not feasible.
- (i) Reduce or discontinue use of equipment for community civic action projects.

(2) Aircraft

- (a) Ensure Combat Readiness Flying (CRF) is conducted in conjunction with operational missions whenever possible.
 - (b) Eliminate static displays for public viewing.
- (c) Eliminate use of aircraft in demonstrations and other non-mission essential activities such as flyovers and change of command ceremonies.
 - b. FACILITY HEATING FUELS (15%).
 - (1) Maximum space utilization will be enforced.
 - (2) Shut off all heat in shops, motor pools, gymnasiums, and hangars.
- (3) Reduce thermostat settings to 55 degrees F. maximum in admin and housing areas.
 - c. ELECTRICITY (15%).
- (1) All outside lighting except as required by AR 190-11 will be disconnected.
 - (2) Where possible reduce use of electrical equipment.
 - (3) Enforce maximum efficient space utilization.
- 5. PHASE II (25% and 35% Reduction Level).
 - a. MOBILITY FUELS (35%).
 - (1) Reduce number of administrative staff visits to subordinate units.

- (2) Reduce number of conferences, review records of vehicle use, and withdraw vehicles from use where priority or mission and/or utilization is not justified.
 - (3) Reduce all performance oriented training where fuel is consumed.
 - (4) Reduce number of vehicles used in driver training.
- (5) Reduce number of tactical vehicles in operation and consolidated use in training.
 - b. FACILITY HEATING FUELS (25%).
- (1) Heat will be shut off in all admin, company, and headquarter buildings.
 - (2) Housing will reduce heating hours where possible.
 - c. ELECTRICITY (25%).
- (1) Shut off all air-conditioning except in surgery at Silas B. Hays Army Hospital.
- (2) Shut off all non-essential electrical power consuming equipment and appliances.
- 6. PHASE III AND IV (Energy Reductions of 50% and greater).
 - a. MOBILITY FUELS (50%).
 - (1) Stop all mechanized training.
 - (2) Use only one administrative vehicle for each major unit.
 - (3) Reduce the number of support vehicles by 75%.
 - (4) Vehicles will not be used to simulate unit training.
 - b. FACILITY HEATING FUELS (50%).
- (1) All efforts will be made to reduce heating in housing and barracks to a minimum.
 - (2) Reduced heating efforts will be supplemented with rotating outages.
 - c. ELECTRICITY (50%).
 - (1) Stop use of all power equipment, except in absolute emergency.
 - (2) Use only appliances necessary for food preservation and preparation.

(3) Rotate power outages on post by area. Outages to last from two to six hours. These selective area power outages will have to be determined at time of energy reduction.

ETL 1110-3-282 10 Feb 1978 DAEN-MCE-U

DEPARTMENT OF THE ARMY Office of the Chief of Engineers Washington, D. C. 20314

Engineer Technical Letter 1110-3-282

Engineering and Design ENERGY CONSERVATION

- 1. Purpose. This letter provides design guidance regarding energy conservation measures for Army facilities.
- 2. Applicability. This letter applies to all OCE elements and field operating agencies having military construction design responsibility.

3. Background.

- a. Executive Order 12003, dated 20 July 1977, established energy conservation goals for new and existing Federal facilities. These goals are to reduce energy usage by 45 percent in new buildings and 20 percent in existing buildings, on a per square foot basis, in 1985 when compared to 1975 levels. The Department of Energy (DOE) was tasked by the Executive Order (EO) to establish a program to achieve these goals. DOE is required to prepare guidelines, as part of this program, for all agencies to follow in preparing agency plans for energy conservation. Annual reports will be required on progress made toward achieving the goals. Additionally, as part of the guidelines, DOE was directed to establish " a practical and effective method for estimating and comparing life cycle capital and operating costs for Federal buildings."
- b. Additional guidance on energy conservation will be included in the next revision to DOD Construction Criteria Manual DOD 4270.1-M.

4. Design Guidance.

- a. Inclosure 1 is a paraphrased listing of energy conservation measures, taken from current DOD and OCE criteria, that are to be considered in the design of new facilities. All items listed in Inclosure 1 will not be technically applicable to every building, and some will be technically applicable but not economically feasible. Therefore, a careful evaluation should be made of each item for each proposed facility.
- b. Since mid-1973 to the present, DOD and OCE have been revising construction criteria to minimize military energy usage. Therefore, by relating existing criteria to the paraphrased listing of energy conservation measures, a consolidated criterion is developed.
- 5. Action To Be Taken. The above guidance will be applied where practical to project designs, subject to availability of funds.
- 6. Implementation. This letter will have routine application as defined in paragraph 6c, ER 1110-345-100.

FOR THE CHIEF OF ENGINEERS:

1 Incl

LEE S. GARRETT Chief, Engineering Division Military Construction

ENERGY CONSERVATION MEASURES

1. SITE CONSIDERATIONS.

- a. Orient buildings to take advantage of views, topography, trees and other site features to the extent that such orientation provides favorable energy conservation benefits.
- b. Utilize natural terrain and landscape planting (coniferous trees on north side) to provide windbreaks to reduce heating loads, and shading (deciduous trees on south) to reduce cooling loads.
- c. Where natural ventilation (screened doors and windows) can be used to provide human comfort in trade wind areas and in spring and fall, use natural terrain, landscape planting and features to improve wind patterns around buildings.
- d. Locate parking areas to avoid creating heat islands adjacent to the building. Provide adequate landscape planting to absorb heat and exhaust pollution.
- e. Consider locating all or part of the facility underground. Consider berms or mounding around ground level facilities.
- f. Fit structure to terrain considering air flow, topography and existing tree cover.

2. ARCHITECTURAL.

- a. Minimize wall and glass areas exposed to the south, southwest and west when-air conditioning rather than heating is expected to be the major load. Architectural shading, deciduous trees, tinted glass, or solar screening should be considered for all glass having these exposures. For applications where heating is the major concern, more glass exposure to the south, southwest and west and less to the north would be desirable.
- b. Evaluate use of glass since glass permits the greatest transfer of energy of the building components. For areas where natural ventilation is possible, operable windows may be desirable.
- c. Evaluate, the use of double glazing,, double glazing with storm windows, or triple glazing. Exterior walls of buildings located in mild climate areas with large glass areas can have a lower composite "U" value

Inclosure 1

with double glazing and uninsulated walls than with single glazing and insulated walls; therefore, the cost study of buildings with large window areas should consider the cost effectiveness of using double glazing and uninsulated walls,

- d. When air conditioning rather than heating is of primary importance, use light colored surfaces on walls and roofs to reduce solar heat gain. Where heating is the primary concern, the use of darker exterior colors may be incorder.
- e. Use minimum ceiling heights to minimize volume to be environmentally controlled.
- f. To reduce infiltration losses, as well as total heating and cooling loads, consider unconditioned vestibules to act as "air locks" for entrances to conditioned spaces.
- g. Since the north side of facilities are subject to most extreme cold, rooms with low utilization are to be located on the north wall to provide a thermal buffer, if functional requirements permit.
- h. Consider magnetic weather stripping around steel insulated doors to reduce drafts and leaks.
- i. Consider window area reduced to eight percent of floor areas, except on properly shaded south orientation.
- j. Consider exceeding criteria requirements by increasing insulation in walls and roofs.
- k. Optimize the wall and roof area to interior volume ratio to reduce the exterior surface area available for heat gain and heat loss in extremely hot and cold climates.
 - 1. Consider consolidation of individual structures into one facility.
- m. Select constuction material and assemblies for exterior envelope that have high resistance to heat flow and/or that will provide, thermal lag.
- n. Locate corridors, stairwells, elevator shafts, storage rooms, etc. on exterior to act as a buffer between exterior and conditioned space west exposure when air conditioning is significant, north exposure when heating is significant.
- o. Utilize natural lighting when cost of electrical energy saved will exceed cost of additional energy required for air conditioning and heating.

3. MECHANICAL.

- a. HVAC Systems.
- (1) Evaluate the following HVAC systems which are considered to have low energy use potential:
 - (a) Variable air volume (VAV).
 - (b) Hydronic loop heat pump.

- (c) Air-to-air heat pump. Discourse
- (d) Water-to-air heat pump (where a water source is available). ed Year

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- (2) Do not use reheat systems when new energy is required. A second of the second of t
- (3) Consider economizer cycle for air conditioning applications; and provide enthalpy controller, as necessary.

- (4) Evaluate the economic feasibility of using solar energy for the heating and/or air conditioning.
- (5) Hot water and space heating requirements will be met by using wasted or excess steam from a nearby facility if economically feasible.
- (6) Where feasible, considering health and economic restrictions, heat contained in exhaust air will be recovered and reused by a heat recovery system.

b. HVAC Equipment.

- (1) Use double bundle condensers on refrigeration machines to reclaim rejected heat. Use rejected heat for domestic water preheating, perimeter heating (when there is a requirement for year around air conditioning) and/or reheat (when humidity control is required or when economically justified).
- (2) Use run-around coils, thermal wheels or heat pipes to reduce air conditioning and heating loads resulting from make-up and exhaust air.
- (3) Consider use of return air lighting fixtures to prevent lamp and ballast heat from entering the occupied, space thereby reducing supply air requirements and fan horsepower. Warm air from fixtures can be used for reheat in air conditioning systems.
- (4) Water-cooled lighting fixtures should also be considered, to reduce air conditioning loads. Water heated by the light fixtures can be used to heat perimeter spaces or for reheat in air conditioning space.
- (5) Consider thermal storage (such as water tanks) systems to store heated or chilled water. Waste heat from air conditioning condensers water cooled lighting fixtures, etc. can be stored for heating purposes in the winter time. Chilled water can be stored to reduce the size of refrigeration machines required for peak loads.
- (6) Use built-up water-to-air or air-to-air heat pumps in larger buildings. Consider use of diesel or gas turbine drive (see paragraphs (7) and (10) below), and collect waste heat for domestic water heating, a space heating and absorption air conditioning.
- (7) Consider the use of diesel engines or gas turbines to drive pumps and other industrial loads to reduce electrical load and electrical demand. Use waste heat as noted in paragraph (6) above.

- (8) Consider the use of single stage evaporative coolers as a pre-cooler feftoutside air make-up in air conditioning systems in arid zones.
- (9) Consider the use of air cooled condensers in series with cooling towers to minimize equipment sizes and reduce electrical consumption. Use a small cooling tower in series with a large air cooled condenser for peak saving, particularly in arid zones.
- (10) For large multi-use building complexes consider cogeneration (total energy) systems whereby electric power is generated on-site and waste heat from prime mover is reclaimed for use as noted in paragraph (6) above.
- (11) When split system unitary air conditioning assemblies of the RCU-A-C and RCU-A-CB. (see Table 1, Chapter 42, 1975 ASHRAE Handbook) types having capacities of 60,000 Btuh and less are used, they will have a Btuh/Watt ratio of not less than 7.5 based on the condensing unit and coil only. This ratio will be established for both types of assemblies from the capacity and power ratings listed for RCU-A-C assemblies in ARI publication "Directory of Certified Unitary Air Conditioners." In determining the ratio for a RCU-A-CB assembly, when the condensing unit is listed under RCU-A-C assemblies with different coils, the condenser coil assembly with the highest Btuh/Watt ratio will be used to determine the acceptability of the RCU-A-CB assembly. In cases where the condensing unit used with a RCU-A-CB assembly is not listed as part of RCU-A-C assembly, the Btuh/Watt ratio based on the information listed for the RCU-A-CB assembly will not be less than 6.5.
- (12) When room (window) air conditioning units are used for air conditioning existing quarters, they will produce not less than 8.5. Buth per Watt input for 120 volts and not less than 8.0 Buth per Watt input for 230 volt units. In order to establish these ratings, the Association of Home Appliance Manufacturers' publication "Directory of Certified Room Air Conditioners" (latest edition) will be the sole determination. Energy rates for through-the-wall units will be as specified in Federal Specification 00-A-372B. All future replacements of room units will conform to these requirements.
- (13) Consider the use of waste heat boilers in conjunction with incinerators to recover energy from solid wastes.
- (14) Consider use of modular equipment where part load performance would be improved.
 - c. Controls.
- (1) Use the DOD type thermostat which limits space temperatures to a maximum of 75 degrees F in winter and a minimum of 75 degrees F in the summer.
- (2) Provide controls to reduce or eliminate outside ventilation air in unoccupied buildings.

- (3) Use an outside temperature sensing unit to modulate hot water (5) (8) heating systems by increasing water temperature as outside air drops and helpes decreasing water temperature as outside air rises. When fan coil units are used to provide both heating and mair conditioning, the hot water and (8) should be modulated down to a maximum temperature of 75 degrees. Frwhen by transport the ambient temperature is 60 degrees Fat a will season period thems a Second in the Sale of the State of the Sale
- (4) Provide a positive shut-off of heating systems when rising outside air temperature reaches 60 degrees F, except in medical facilities. ර සමාන්තු සිදුසාසය වෙන ය. සිට කොමස්වලව දුරුවල්වල මෙන්වලද
- (5) Use programed control through clocks or other systems for might for surely weekend and holiday temperature setback (or cutoff) to reduce air conditioning and heating loads. Normally for personnel comfort, air conditioning, will be cut off and heating will be reduced by 15 degrees (4) รา**งปรุงสบ**าว ค.ศ.ศ.ศ.ศ.**๑๓**ศิการ์ติมักษายนาก มีนักได้ ค.ศ.ศ. F during unoccupied hours. Thank tools Tender Standet gare, Many

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- d. Plumbing.
- Children Willies (1) Electric water heaters of 80 gallon capacity and less shall comply? more with the requirements of Federal Specification W-H-196J. This applies of Federal Specification W-H-196J. to both new and replacement installations. Water heaters meeting these inclusions requirements are included in the current GSA term contract: therefore, because all all all procurements for family housing should be through GSA in accordance and from - 120 () ಸಮ್ಮಿದಕರ್ಗಿಸ**ಿಕ್ ಲ**ಗರ The second second with the requirements of DOD 4270.1-M. LITTED SAN TERM SERVED ON FROM DAY
- (2) Provide domestic hot water to all latrines, heads and tollet and tollet facilities without showers or tubs at 100 degrees F. See ETL 1110-3-266 8527-108 for additional requirements. estration and a nector (5.
- (3) In, buildings operated on a nominal 40 hour week or in buildings decree operated on a nominal two shift basis (5 or 7 day week), a clock timer and number should be used to stop the domestic hot water circulating pump during told about unoccupied hours, allowing 15 minutes before starting and 30 minutes de de la constant y xily and Seligithmed before normal work hours end. ີ່ມ ຮວ້າ ທີ່ ທະ**ວ**ອກສິກໃນກ່ານອະ**ຕອ**ຽ
- (4) Evaluate the economics of solar energy to generate domestic hot actions water.

4. ELECTRICAL.

- a. Use three-phase transformers particularly in large substations to reduce transformer losses. Named and the second
 - b. Design facilities to provide high power factor.
 - c. Maintain a base wide power factor of not less than 95 percent.
- d. Use high efficiency light sources such as fluorescent lamps in lieu of incandescent in as many areas as possible, and use high intensity discharge lamps such as high pressure sodium in lieu of incandescent lamps or mercury vapor lamps for area floodlighting. in alloccupied buil it as
 - e. Use multiple switching to permit lights near windows and those in

unattended areas to be turned off.

- f. Consider the use of time clock or photocell control of exterior lighting.
- g. Consider use of multilevel ballasts to permit selection of non-uniform general lighting.
- h. Use task lighting instead of high level general lighting. (Requires location of task, by architect or interior designer).
- reskend and holigay he addition voltage consistent with economics and talksafety. The last talk to the conomics and
 - interpretation of the property of the power factors (pf=0.90 min).
 - k. Use three phase power where possible.

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